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1- Dummy Number theory

Read First: The number of buttons of this expert could expand from 527 buttons (no single pair on dashboard) to 2175 buttons (42 pairs on dashboard). These buttons are classified as: 1) Passive buttons, 2) Active-Save buttons, and 3) Active-Fire buttons.

D-Theory

I coined new forex word "tripette" to ease trading different instruments with great disparity prices

-----1- When EURUSD moves from 1.22345 to 1.122346, we say it moves by 1 pipette

-----2- When EURUSD moves from 1.22345 to 1.122355, we say it moves by 1 pip (ignore last digit)

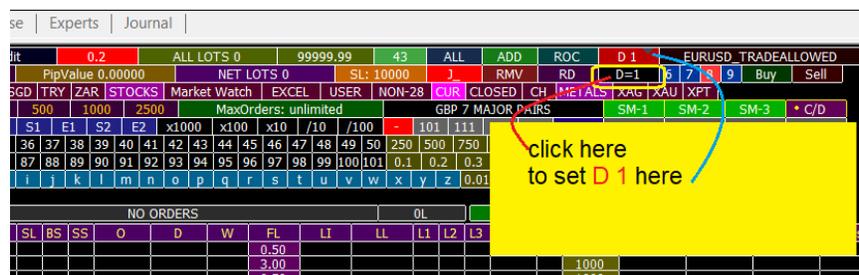
-----3- When USDNOK moves from 8.12345 to 8.12445, we say it moves by 1 tripette (ignore last two digits)

-----4- When DowJonz30 moves from 29123.45 to 29124.45, we say it moves by 1 tripette (ignore last two digits)

-----5- When Gold XAUUSD moves from 1823.45 to 1824.45, we say it moves by 1 tripette (ignore last two digits)

and this expert is designed on all three choices-- you can choose pipette mode, pip mode or tripette mode.

2- D-Theory (Tripetto concept)



D=1 Button "CONVERT TO **PIPETTE**" box, Box in red will change to D1 immediately according to my D-Theory, D=1 ==> Pipettes

to clarify more:

assume **unhomogenous** pairs prices, for example: eurUSD and ger30

EURUSD: 1.22345 --

ger30: 13123.45 --

if your O=5 pips

EURUSD: 1.22345 -- to -- 1.22395 -- pip pair (we ignore 1 digit--last digit)

3- Last nth decimal



for EURUSD nth=5th (1.18345)

for US30Roll nth=2nd (only 2 digits after decimal point 29543.21)

if EURUSD price now is 1.18345 and O=D=10 pips

do you want to include 5th digit or make it zero?

example for sell 1st order should be at $1.18345 + 10 \text{ pips} = 1.18445$
your desire is 1.18440 or 1.18445 ? (zeros last digit which is fractional pip)

you can decide using some expert icons

if you select "0", the first 3 sell orders will be:

- 1.18345
- 1.18445
- 1.18545
- 1.18645

if you select "1", the first 3 sell orders will be: = (delete 1 digit from the right)

- 1.18345
- 1.18440
- 1.18540
- 1.18640

if you select "2", the first 3 sell orders will be: = (delete 2 digit from the right)

- 1.18345
- 1.18400
- 1.18500
- 1.18600

many people like integer-like numbers!!
any how it depends on you, it is a trivial matter!

4- Beginners to start immediately to see how the Expert works

1) New Comers/ visitors – First 4 steps

NewLesson: for new comers/visitors--first 4 steps for learners

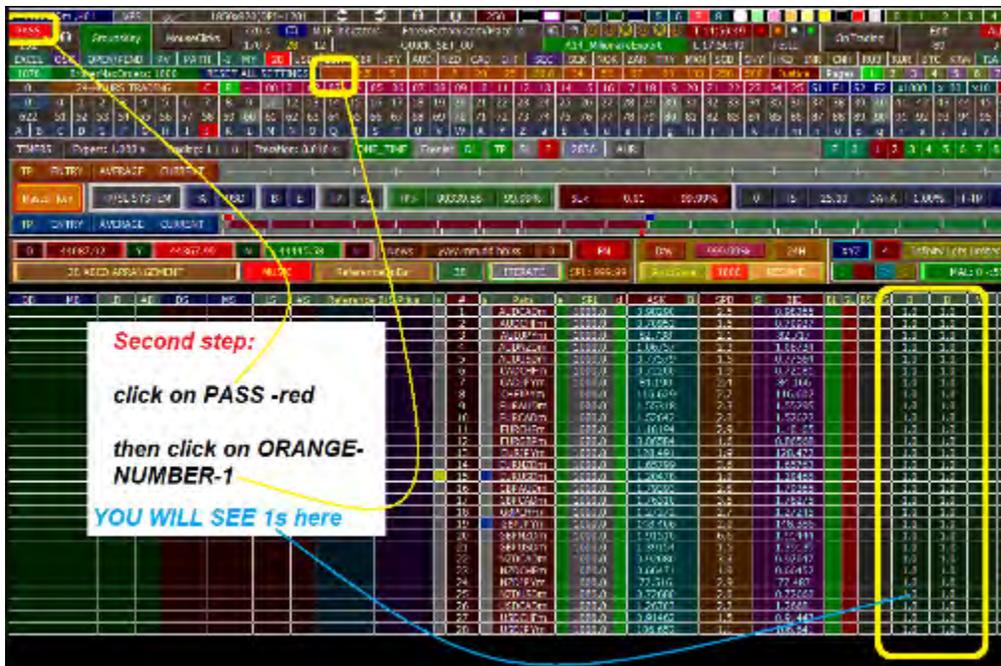
to see expert placing/opening orders

do the following 4 steps quickly in less than 1 second if possible

1. select 28 groups--famous 28 pairs--click on button **28** (or **MY**)



2: select **ORANGE NUMBER-1** ==> O=D=1---click on "1" button



3: Set current prices as the **reference prices** for grid trading. click on circled button below



4: activate all 28 pairs

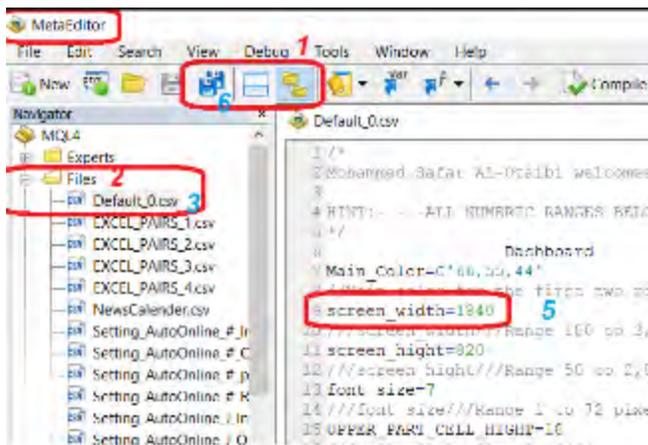
DS	MS	LS	#S	Reference	B/S Price	Y	#	Pairs	e	SPL	d	ASK	B	SPD	S
5.4	-1.3			0.98307	0.98282		1	AUDCADm		1000.0		0.98253		2.5	
2.0	-0.5			0.70928	0.70919		2	AUDCHFm		1000.0		0.70914		1.5	
2.6	-0.9			82.721	82.70		3	AUDJPYm		1000.0		82.695		2.1	
-1.9	-3.4			1.06719	1.06696		4	AUDNZDm		1000.0		1.06738		2.3	
3.7	-0.2			0.77586	0.77571		5	AUDUSDm		1000.0		0.77549		1.5	
-1.9	-2.0			0.72166	0.72147		6	CADCHFm		1000.0		0.72178		1.2	
-1.9	-2.1			84.160	84.136		7	CADJPYm		1000.0		84.179		2.4	
0.5	-1.0			116.631	116.614		8	CHFJPYm		1000.0		116.626		1.7	
-0.9														2.3	
7.6														2.0	
2.1														2.9	
2.2														1.6	
3.6														1.9	
-3.4														3.6	
4.8														1.0	
-5.5														2.8	
4.3														3.5	
-0.7														2.7	
-0.2														2.0	
-9.2														6.6	
1.9														1.5	
5.7	-0.6			0.92127	0.92094		22	NZDCADm		1000.0		0.92070		3.3	
3.2	-0.7			0.66475	0.66455		23	NZDCHFm		1000.0		0.66442		1.9	
4.1	-0.6			77.527	77.498		24	NZDJPYm		1000.0		77.486		2.9	

Step-4:
 click on **Pairs** word until you see all pairs **RED**
 SKs must be green

2) How to fit chart to your screen

do the following steps **once in your life**.

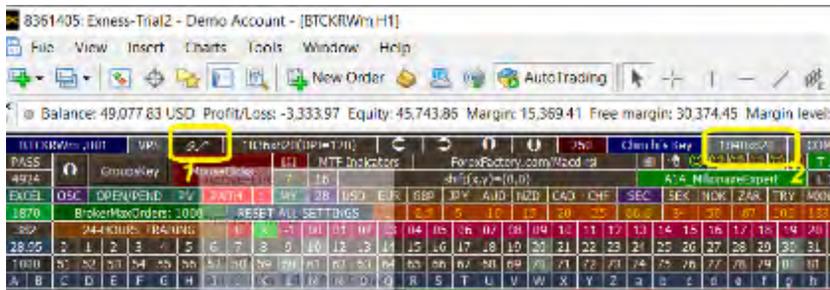
- 1- when you attach expert you will see true width of your screen
- 2- click on F4 to open MT4 Editor
- 3- follow steps on the picture:



if you **save Default.csv** changes, then

--attach expert again to the chart

--or click on the following button: see picture:



only one time in your life you set the true **width** of your screen.

5- Weekend Offline Pairs

Update:

Post #5406

how to **enforce** expert to show instruments of some groups during Saturday/sundays?
who answer first?

this part is much simplified since 2 weeks ago.

Post #5415 phuclockbcs





6- Basic Buttons

1) Mouse-Clicks Buttons

Why?: this button is designed mainly for "Active-Fire" elements. To prevent your kids intervention if you are outside, or any other reason like false or un-intentional clicks. imagine after finishing your setting, and OnLineTrading starts! then you click on "**Orange 25**" button, which definitely will **damage** all your previous setting. it is a step equivalent to attaching expert now to the chart. if it is **RED**: "Lock-status" , you can not change status or values of any fire button. do not expect any reaction at all.

if it is **GREEN**: "Clicks-Status" , you can click on any fire button.

Feature: it has a timer showing when next "Lock" will happen. total time is 900 sec (15 min) it decrements(decreases) to 0 sec then "Lock-status" takes place, and timer disappear if you see value for example 19 sec, and you want more time, just click on lock-timer button. it will set timer at max, at 900 sec.

How to make it Green if it is not? one of the best behaviors here is "Easy to construct, difficult to deconstruct":

- 1-- you can easily lock clicks. just click on MOUSE-CLICKS once.
- 2-- but you can not remove lock easily. it is done through 3 steps:
 - 2-1: click on "PASS"----becomes RED
 - 2-2: then click on "WORD"---- Becomes Red
 - 3-2: then click on "MOUSE-CLICKS"----Becomes Green
- 3-- what prevent clicks on all buttons is the BLACK-OUT button.

Repeated Lesson: Mouse Clicks Button

Why?: this button designed mainly for "Active-Fire" elements. To prevent your kids intervention if you are o imagine after finishing your setting, and OnLineTrading starts! then you click on "Orange 25" button, which equivalent to attaching expert now to the chart.

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Feature: it has a timer showing when next "Lock" will happen. total time is 900 sec (15 min) it decrement(decrease) to 0 sec then "Lock-status" takes place if you see value for example 19 sec, and you want more time, just click on lock-timer button. it will set timer

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-----2-2: then click on "WORD"---- Becomes Red
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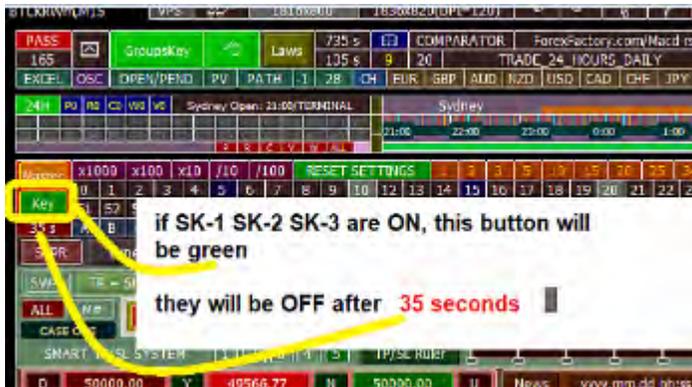
some hints:
1- one of good things here: when under "Lock-Status" -- and you click on any fire button, *its sparan name* w
2- ForexFactory.com/Macd-rsi bar will be RED also under Lock-status.

Some hints:

- 1- One of good things here: when under "Lock-Status" -- and you click on any fire button, *its sparan name* will be shown in sparan bar.
- 2- ForexFactory.com/Macd-rsi bar will be RED also under RED-status.
- 3- The timer button will disappear under RED-status. No need for that button.

2) PASS or SKs

NewLesson: SKs work internally.



SKs for Arrays "columns"

PASS: for a specific cell--one element of that array and all FIRE buttons through SKs, except ORANGE NUMBERS through PASS



3) MASTERKEY

What is the future impact of MasterKey?

since its admission to the expert, the rule is very simple:

- 1- when SK-1 is not green, the expert will make 1) All 3 SKs ON, 2) GroupsKey ON, and 3) MouseClicks will be allowed
- 2- when SK-1 is green, the expert will make 1) All 3 SKs OFF, 2) GroupsKey OFF, and 3) MouseClicks will be blocked

so it depends on previous status of SK-1 only.



4) Ready-Made-Dummy Numbers

Goal: to make your live easy. dummy number is a revolutionary theory in expense of traditional way of setting any expert external variables.

0- all of them are **Active-Save**

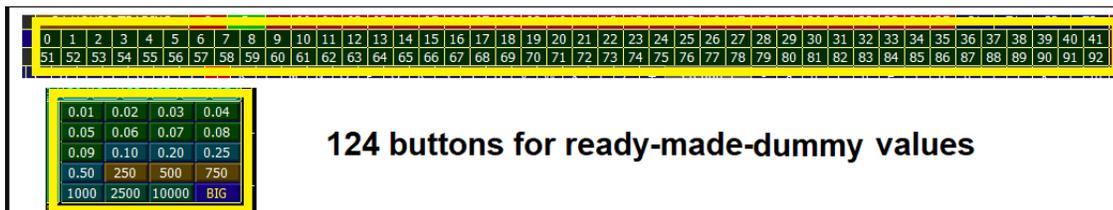
1- it includes numbers from "1" to "101", quick way to select O, D, TP, TO, LL values

2- "0" button consider it the counterpart of "BIG" button

3- BIG is the big number that you may need it some times. For example you want to set lower equity in echo-Skat system at current equity. just choose BIG number.

4- values that may suite more lots selection like "0.01" , "0.2" etc

5- values that may be used to make some parameterS as if it is at infinity, for example "750" for "TO"



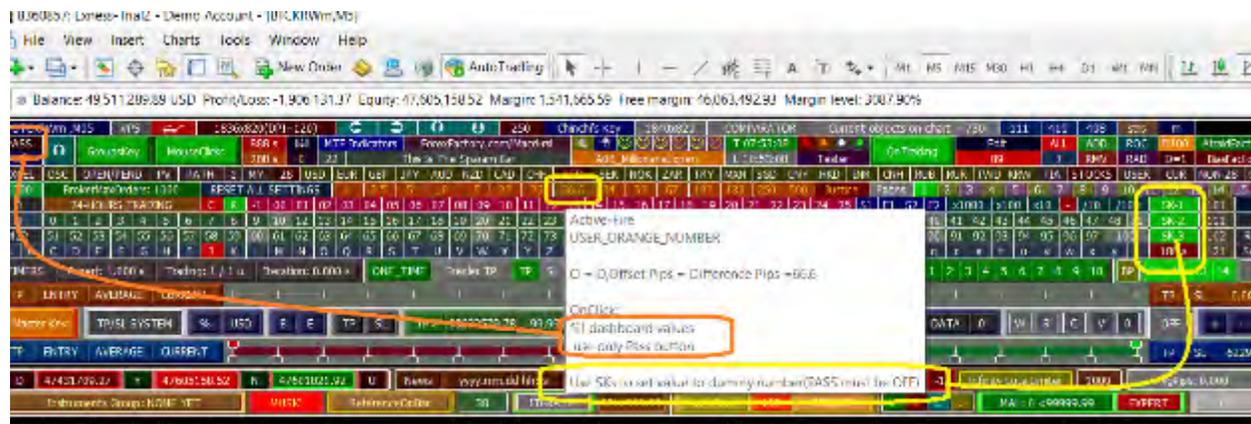
124 buttons for ready-made-dummy values

5) User Orange number

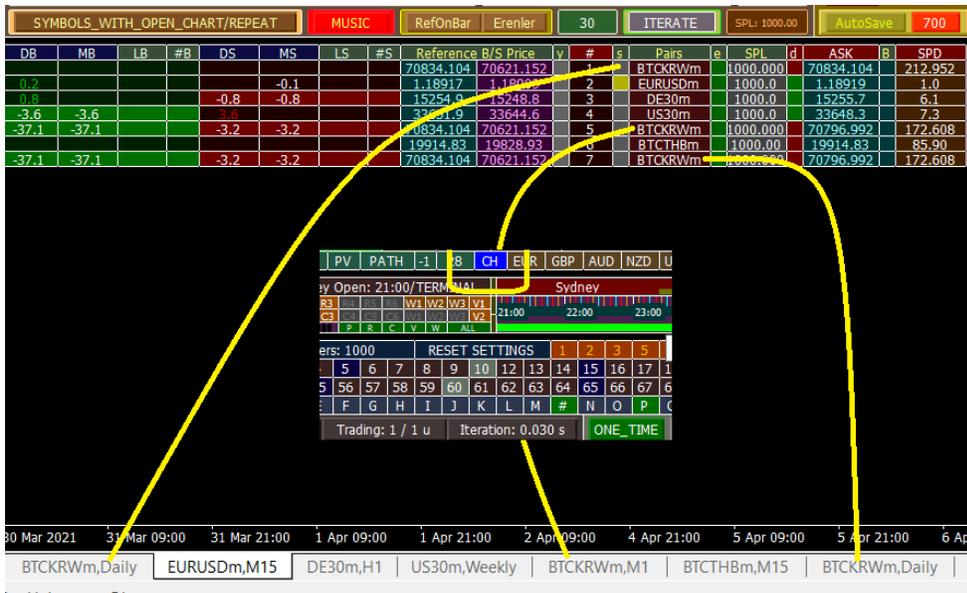
For user-orange number:

1- if PASS is ON: you set dashboard--whatever SKs are! SKs are bypassed if PASS is red.

2- if PASS is OFF while SKs are ON(greens) -- you change user-orange number from 66.6 to dummy



This 66.6 pips come from default file--YOU who choose it.



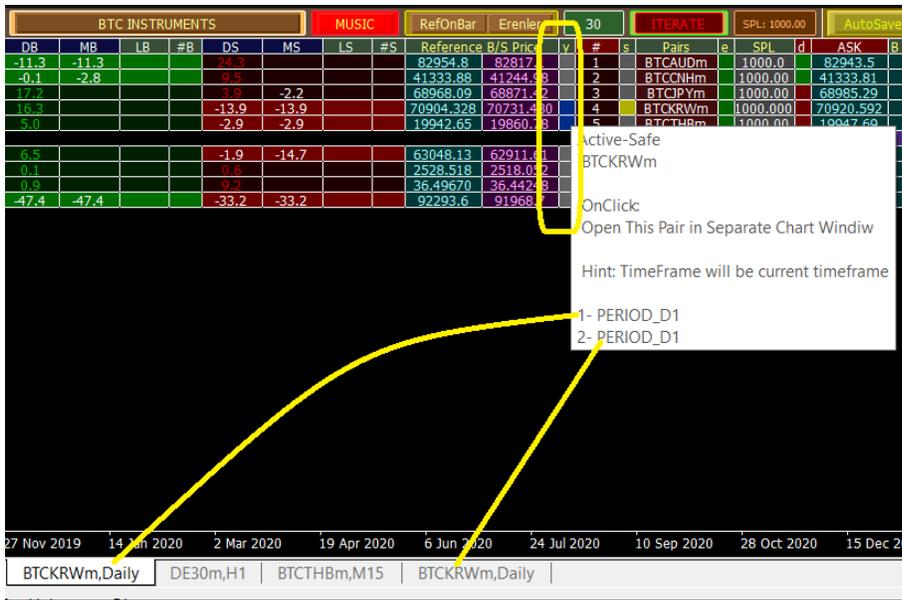
BLUE: and we already mentioned 3 weeks ago, that they are arranged for REPETITION as which one was opened first.

while for Orange--alphatical-order

a) y button

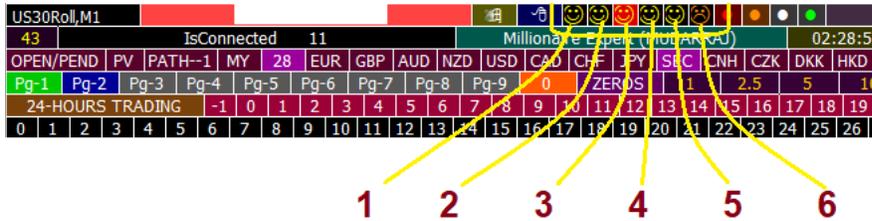
y-buttons:

and two months ago we explain that: these buttons if they are BLUE, will show all open charts with frame on that pair for each dashboard pair:



2) Smiling Faces

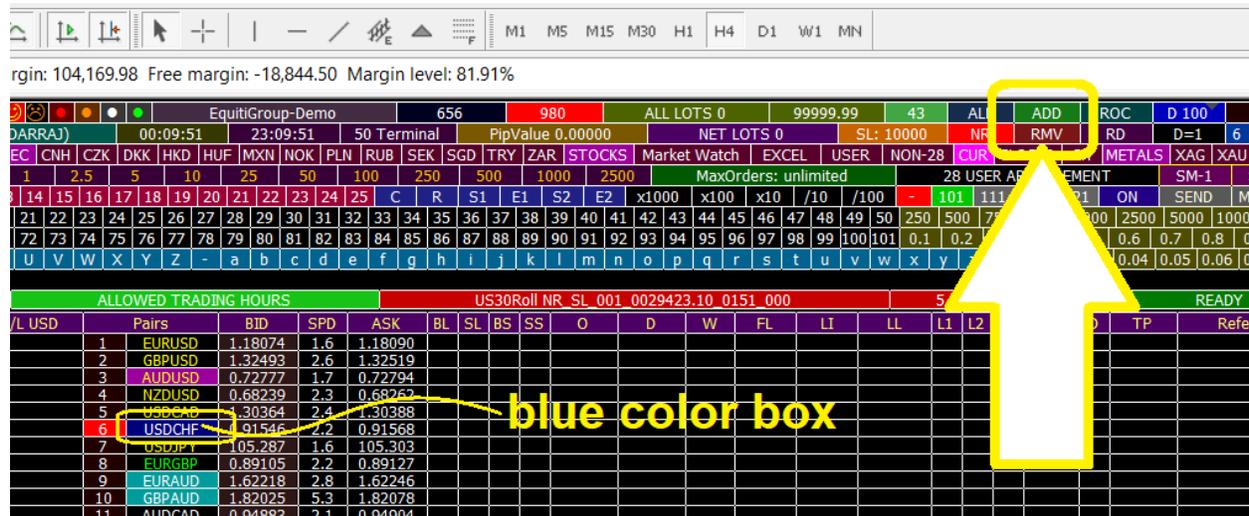
#Post 222 to #Post 233



- 1- is **expert** is enabled
- 2- is **autotrading** is allowed
- 3- is **internet** is connected + alert sound
- 4- is dynamic link libraries **DLL** allowed + music sound
- 5- is Library allowed + no sound
- 6- is you account **demo or live**

3) Other Buttons

a) ADD box



ADD box--to **activate** specific currency pairs

Quoting zoraxfx

Hi Mohammed I trade only London session and next week I'd like to use just EUR and GBP pairs. About EUR pairs I click on EUR but if I click again on GBP there is not adding GBP pairs. Any idea ?

I explain in detail two days ago the following **"ADD"** box

- 1- select **28**-pairs

- 2-de-activate **SPARAM**
- 3-click on **GBP**
- 4-click **ADD**
- 5-click **EUR**
- 6-click **ADD**

You should see something like this:

PAIRS	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	L2	TP				
1 EURUSD	1.18315	2.2	1.18337					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
2 GBPUSD	1.31983	2.8	1.32011					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
3 AUDUSD	0.72680	1.8	0.72698					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
4 NZDUSD	0.68462	2.6	0.68488					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
5 USDCAD	1.31340	4.3	1.31383					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
6 USDCHE	0.91252	2.4	0.91276					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
7 USDJPY	104.604	1.8	104.622					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
8 EURGBP	0.89631	3.0	0.89661					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
9 EURAUD	1.62764	3.9	1.62803					100.0	100.0		0.01	0.01	9999.00	1	1	100.0			
10 BRPAUD	1.81551	7.1	1.81622					100.0	100.0		0.01	0.01	9999.00	1	1	20	5	100.0	
11 AUDCAD	0.95453	6.4	0.95517					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
12 AUDCHF	0.66323	3.4	0.66357					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
13 EURJPY	123.771	2.9	123.800					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
14 GBPJPY	138.060	4.8	138.108					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
15 NZDCAD	0.89912	7.5	0.89987					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
16 NZDCHF	0.62468	5.1	0.62519					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
17 EURCAD	1.55398	7.5	1.55473					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
18 BRPCAD	1.73330	10.7	1.73437					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
19 AUDNZD	1.06135	4.3	1.06178					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
20 CADCHF	0.69447	6.8	0.69515					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
21 EURCHF	1.07969	4.2	1.08011					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
22 BRPCHF	1.20436	5.5	1.20491					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
23 AUDJPY	76.029	2.7	76.056					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
24 NZDJPY	71.618	3.1	71.649					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
25 CADJPY	79.619	4.5	79.664					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
26 CHFJPY	114.607	4.0	114.647					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
27 EURNZD	1.72771	6.1	1.72832					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0
28 BRPNZD	1.92724	7.8	1.92802					100.0	100.0		0.01	0.01	9999.00	1	1	1	20	5	100.0

b) RMV box

RMV box--to **cancel** or **deactivate** specific currency pairs(for example you never trade **CHF** pairs due to low leverage)

Macd-rsi

Steps: read carefully please (do what to **CANCEL** trading or...)

- 1- Sparam is **RED**
- 2- Click on **MY** or **2B** -- almost they are similar!
- 3- Select your setting--for us say **Orange 25** box
- 4- Click on **PAIRS** box-- now all 28 pairs are activated
- 5- Cancel sparam--Black sparam---very important
- 6- Click on **CHF** box (CHF pairs box Colors will be **blue**)
- 7- Then click on **RMV** (box) = ReMoVe = Remove

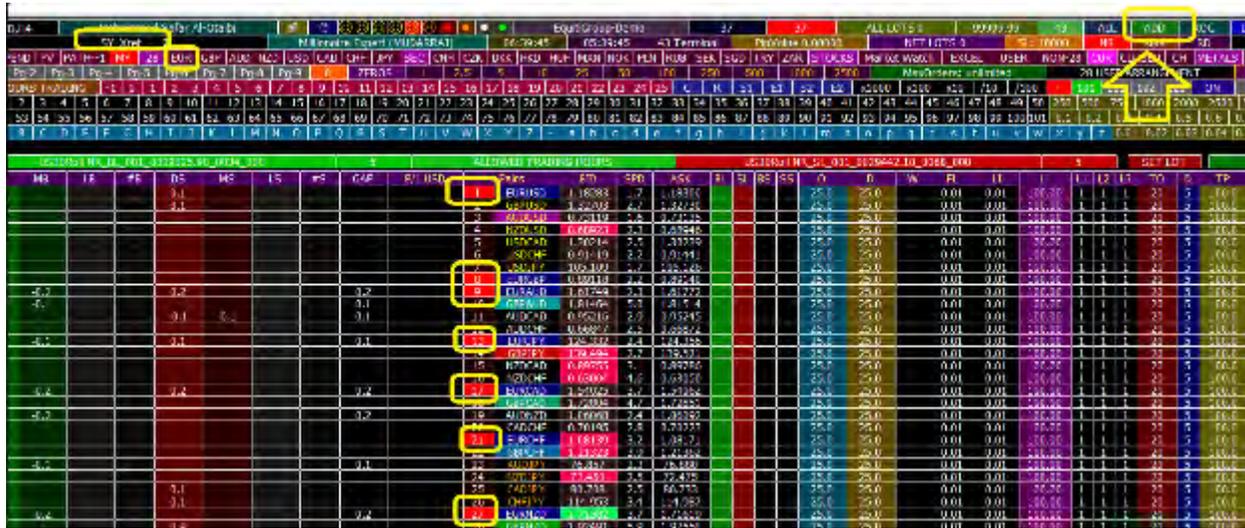
YOU will see an immediate effect -- All CHF pairs are deac...

steps on how to de-activate specific currency pairs

Steps: read carefully please (we want to **CANCEL** trading on **CHF** pairs) and allow for remaining 28 pairs.

- 1- Sparam is **RED**
- 2- Click on **"MY"** or **"28"** -- almost they are similar!
- 3- Select your setting--let us say **"Orange 25"** box
- 4- Click on **PAIRS** box--now all 28 pairs are activated
- 3- Canel sparam--**Black** sparam---**very important**
- 4- Click on **CHF** box (CHF pairs box Colors will be **Blue**)
- 5- Then click on **RMV** box- = **ReMoVe** = Remove

YOU will see an immediate effect -- **All CHF pairs are deactivated.**



ADD box--to activate specific currency pairs

follow the same procedures for **RMV** box, assuming all 28 pairs not activated, when you choose to activate only **EUR** pairs, simply click **EUR**, == **EUR PAIRS** will be blue, then click **ADD** box

do not forget to cancel **SPARAM** first

if not, when you click on **EUR**, it will change group elements!! **unwelcomed situation!** as explained in first 30 posts!

we select currency therefore: chosen currency pairs boxes will be **BLUE**

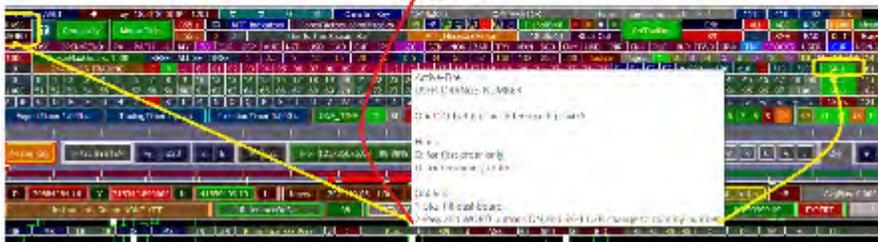
4) Remove Expert

Dangerous button, removes the expert

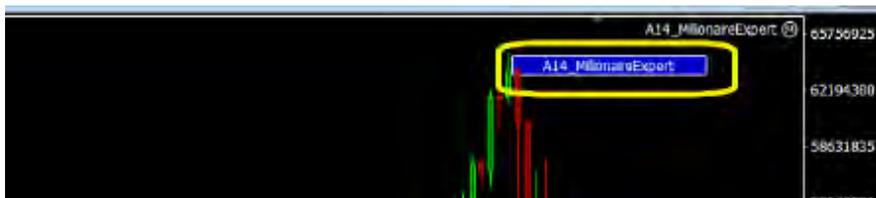


sacredragon

Eurlner



5) If you login to different account intentionally or un-intentionally you will see only this button as a **protection** an return all old settings wull remain as it is except halting trading+no mouse clicks.



click on it to see dashboard
you will notice MS,DS, MB, DB still caculating



8- On-Line Order Concept

Dashbord main 3 components



As a newbie, the first thing to recognize is that "dashboard is composed of 3 parts"
 --1- **Input** part: above 20 columns -- in the middle
 --2- **very important output** part (the core of this expert) - in the left side. Math calculation **to take entry decisions**
 --3- **unimportant output** part which shows P/L, average prices and gaps-- to the right side (6 columns) -- calculations **after** entry!

Using the EA to place orders based on the following O/D concept

I clicked here on 25

then the default values of "25-setting " are shown on dashboard

BL and SL are activated

pairs not activated--for safe operation

O=D=25 pips

TakeProfit= 100 pips
 #of orders = 20
 Ladder = 5
 L1L2L3 = 111
 FirstLot = 0.01 lot
 increment Lots = 0.01 lot
 W= 0 pips (no Widening)

1) Offset Pips Concept (O)

O = 25 **pips** means the **first hidden pending order** will be executed if price goes against your **Reference B/S Price** by 25 pips
 O: for the first order--it is clear!!

2) Difference Pips Concept (D)

D: for the second order and above, (2nd, 3rd, 4th etc.... orders)
 if O=25 **pips** and D=25 **pips** then:
 2nd order will be executed after 50 **pips**, (25+25)
 3rd order will be executed after 75 **pips**, (25+25+25)
 and so on

imagine O=25 pips and D=31 pips. then:

1st order after 25 pips.
 2nd order after 56 pips. (25+31)
 3rd order after 87 pips. (25+31+31)
 4th order after 118 pips. (25+31+31+31)

and so on.

1st order after 25 pips.

CE PRICES ON BAR		19	3.34	SPL: 10000	0.01	UKOILRoll F_SL014							
		Day	999.99%	24H	D	304965.62							
B/S Price	#	Pairs	d	ASK	n	SPD	n	BID	BL	SL	BS	SS	O
24.049	1	SIH1		24.233	▲	1.8	▲	24.215					1.0
30062.80	2	US30Roll		29978.40	▲	1.80	▲	29976.60					1.00
12341.88	3	UT100Roll		12393.50	▲	1.00	▲	12392.50					1.00
13338.50	4	DE30Roll		13301.75	▲	1.00	▲	13300.75					1.00
26650.50	5	JP225Roll		26705.50	▼	10.00	▼	26695.50					1.00
26284.50	6	HK50Roll		26428.50	▼	8.00	▼	26420.50					1.00
6700.80	7	AUS200Roll		6670.90	▲	4.80	▲	6666.10					1.00
5552.80	8	FRA40Roll		5553.85	▲	1.20	▲	5552.65					1.00
8208.50	9	ESP35Roll		8195.00	▲	6.00	▲	8189.00					1.00
3530.15	10	EU50Roll		3523.45	▲	0.90	▲	3522.55					1.00
16644.57	11	CHINA50Ro		16752.97	▲	8.40	▲	16744.57					1.00
1838.92	12	XAUUSD		1839.79	▲	0.44	▲	1839.35					1.00
45.770	13	USOILRoll		47.508	▼	2.9	▼	47.479					1.0
49.008	14	UKOILRoll		50.659	▼	2.9	▼	50.630					1.0
0.74368	15	AUDUSD		0.75136	▼	1.5	▼	0.75121					1.0
0.70166	16	NZDUSD		0.7073	▼								1.0
1.28079	17	USDCAD		1.2717	▼								1.0
104.179	18	USDJPY		104.35	▲								1.0
1.20788	19	EURUSD		1.2122	▼								1.0
1.62152	20	EURAUD		1.6136	▼								1.0
1.71827	21	EURNZD		1.7142	▼								1.0
1.54782	22	EURCAD		1.5416	▼								1.0
1.25810	23	EURJPY		126.49	▲								1.0
0.90094	24	EURGBP		0.9127	▼								1.0
1.33874	25	GBPUSD		1.3283	▼								1.0
1.79799	26	GBPAUD		1.76815	▼	5.6	▼	1.76759					1.0

BL=Green
 SL=Red
 BS=Aqua
 SS=Orange

Three semi-Green colors for BUY (GREEN-AQUA-BLUE)
 Three semi-Red colors for SELL (RED-ORANGE-PINK)

if BL reach max # of TO --- box #B will be **Green**
 if BS reach max # of TO --- box #B will be **Aqua**
 if both BL and BS reach max limits of TO (double of TO) box#B will be **Blue**
 the result will be reflected also on **TO** column cells--identical

if SL reach max # of TO --- box #S will be **Red**
 if SS reach max # of TO --- box #S will be **Orange**
 if both SL and SS reach max limits of TO (double of TO) box#S will be **Pink**
 the result will be reflected also on **LD** column cells--identical

as shown on picture:
 look at 14 (7 BLs + 7 BSs) --- TO = 7 below:

And for LotLimiter, any pair reach LotLimiter for any type teh same coloring system:

columns LB (BUY) or LS, (SELL)
 plus
 columns of LI (BUY) and LL (SELL)

their BgColor will react according to 4 types color

Three semi-Green colors for BUY (GREEN-AQUA-BLUE)

Three semi-Red colors for SELL (RED-ORANGE-PINK)

if BL reach max LL --- box **LB** will be **Green**

if BS reach max LL --- box **LB** will be **Aqua**

if both BL and BS reach max limits of LL (double of LL) box **LB** will be **Blue**

the result will be reflected also on **LI** column cells--identical

if SL reach max LL --- box **LS** will be **Red**

if SS reach max LL --- box **LS** will be **Orange**

if both SL and SS reach max limits of LL(double of LL) box **LS** will be **Pink**

the result will be reflected also on **LL** column cells--identical

NO NEED FOR PICTURE

3) Afraid/Bias modifiers (for O=D settings)

#Post 2867

To explain: you choose aEURUSD BuyLimit and SellLimit with O=D=50.

if your are **afraid** from SELL-LIMIT direction. multiply 50 for SL by afraid factor--let usd say **afraidFactor**=1.4

then O for SL is $50 * 1.4 = 70$ pips,

while remaon 50 for Buy

if your **baised** to SL, we are here not **afraid**, e are a **brave!** so **baisFactor** may be 0.8

$0.80 * 50 = 40$ pips

now situation is: you are not afraid, not baised---normal factor = 1.00----- 50 pips is 50 pips (except in case of justice setting)

normal = 1.00

afraid > 1.00

biase < 1.00

if anybody notice two colmns sourounding spread columns?? **will have 3 tasks.**

reference	B/S	Price	#	Pairs	d	ASK	n	SPD	n	BID	BL	SL	BS	SS	O	D	W
1				SIH1		25,997		1.8		25,979					999.0	999.0	
2				US3MRol		30370.96		5.80		30365.10					999.00	999.00	
3				UT10Rol		12750.38		3.00		12747.38					999.00	999.00	
4				DF30Rn		13642.99		8.00		13639.99					999.00	999.00	
5				JP225Rn		26922.59		10.00		26912.50					999.00	999.00	
6				RK50Rn		26463.56		8.00		26455.50					999.00	999.00	
7				AUS400Rn		6682.40		4.80		6677.60					999.00	999.00	
8				FR44Rn		5514.05		5.20		5508.85					999.00	999.00	
9				FRP35Rn		8034.00		6.00		8028.00					999.00	999.00	
10				EUR50Rn		3546.95		0.90		3546.05					999.00	999.00	
11				CHINA20Rn		16902.16		9.00		16893.16					999.00	999.00	
12				XAUUSD		1881.57		0.65		1881.96					999.00	999.00	
13				USD0Rn		49.254		3.2		49.222					999.0	999.0	
14				HK0Rn		52.312		3.6		52.276					999.0	999.0	
15				AUDUSD		0.76234		2.1		0.76213					999.0	999.0	
16				NZDUSD		0.71428		5.4		0.71374					999.0	999.0	
17				USDCAD		1.27845		3.7		1.27808					999.0	999.0	
18				USDJPY		103.350		4.8		103.302					999.0	999.0	
19				EURUSD		1.22574		3.2		1.22542					999.0	999.0	

#Post 3019

Afraid/Bias modifiers: to **modify** O or D from raw values.

it is somewhat similar to standard deviation from the mean "raw" value

He said: it is not logical to make O, D of Buys the same as O,D of Sells? Common sense judges!

how to differentiate b/w them while we have only one column for O and 1 column for D ??

SOLUTIONS:

1- we already mentioned you can **repeat** the pair on the dashboard.

2- now you can use Normal/Afraid/Bias setting

#	Pairs	d	ASK	x	SPD	x	BID	BL	SL	BS	SS	O	D
1	EURUSD		1.21943		1.4		1.21929					10.0	10.0
2	GBPUSD		1.34287		2.5		1.34263					10.0	10.0
3	AUDUSD		0.75688		1.8		0.75670					10.0	10.0
4	NZDUSD		0.76852		2.2		0.76830					10.0	10.0
5	USDCAD		1.28732		2.3							10.0	10.0
6	USDCHE		0.88941		2.2							10.0	10.0
7	USDJPY		103.438		1.6							10.0	10.0
8	EURGBP		0.90826		2.6							10.0	10.0
9	EURAUD		1.61140		3.0							10.0	10.0
10	GBPAUD		1.77455		5.7							10.0	10.0
11	AUDCAD		0.97416		2.5							10.0	10.0
12	AUDCHF		0.67314		2.9							10.0	10.0
13	EURJPY		126.129		2.2							10.0	10.0
14	GBPJPY		138.895		3.2							10.0	10.0
15	NZDCAD		0.91194		3.5							10.0	10.0
16	NZDCHF		0.63022		3.1							10.0	10.0
17	EURCAD		1.56965		4.5							10.0	10.0
18	GBPCAD		1.72845		5.0							10.0	10.0
19	AUDNZD		1.06844		2.9		1.06815					10.0	10.0

Active-Fire
GREEN : AFRAID
RED : BIAS
NONE : NORMAL

O: 76
D: 76

$10 * 0.764 = 7.6 \text{ pips} = 76 \text{ pipette}$

D 100	AFRAID_FACTOR	1.236
D=1	BIAS_FACTOR	0.764

in picture even though your O=D=10 for all pairs, but some of direction O and D may be 1t 13.2 pip or 7.6 pip---not your O=D=10

dashbord will show **raw** value 10, but in **runtime**, there is a different story.

a) Introduction

1- you have two x columns

--1-1: left for buy O, D modification

--1-2: right for sell O, D modification

2- keep click on each pair corresponding x cell, to change status:

--2-1: Red: Bias (lower O or D ---> less save---> so I select red)

--2-2: Green: Afraid (bigger O or D ---> more save---> so I select green)

#	Pairs	d	ASK	x	SPD	x	BID	BL	SL	BS	SS	O	D
1	EURUSD		1.2194		1.4		1.21929					10.0	10.0
2	GBPUSD		1.3428		2.5		1.34262					10.0	10.0
3	AUDUSD		0.7568		1.8		0.75670					10.0	10.0
4	NZDUSD		0.7085		2.2		0.70830					10.0	10.0
5	USDCAD		1.2873		2.3							10.0	10.0
6	USDCHF		0.8894		2.7							10.0	10.0
7	USDJPY		103.438		1.6							10.0	10.0
8	EURGBP		0.9082		2.6							10.0	10.0
9	EURAUD		1.6114		3.0							10.0	10.0
10	GBPAUD		1.7745		5.7							10.0	10.0
11	AUDCAD		0.9741		2.5							10.0	10.0
12	AUDCHF		0.6731		2.9							10.0	10.0
13	EURJPY		126.129		2.2							10.0	10.0
14	GBPJPY		138.895		3.2							10.0	10.0
15	NZDCAD		0.91194		3.5							10.0	10.0
16	NZDCHF		0.63022		5.1							10.0	10.0
17	EURCAD		1.56965		4.5							10.0	10.0
18	GBPCAD		1.72845		5.0							10.0	10.0
19	AUDNZD		1.06844		2.9		1.06815					10.0	10.0

RED: $O \text{ or } D = \text{raw} * \text{BiasFactor} < 10$

Green: $O \text{ or } D = \text{raw} * \text{AfraidFactor} > 10$

otherColor $O \text{ or } D = \text{raw} == 10$

raw values

b) How to set factors?

ans: through **CWC** method, or **Edit-WC** method.

we have two buttons:

- 1- upper for AFraid factor-- its range b/w 1 and 9.99 ---- common sense rule
- 2- lower for Bias factor----- its range b/w 0.25 and 1.00 ---- common sense rule



- 1.00 represents the **Normal** case, not afraid/not biased --- $10 * 1 = 10$
- so if pair x-button is RED or green but factots are set at 1, it is identical to Normal case.

c) Continue

-Therefore, after these improvmenets, we see on dashboard two values: O-value and D-value

-But, behind the scene actually expert deal with 4 values:

- 1- **O** for buy
- 2- **O** for Sell
- 3- **D** for buy
- 4- **D** for Sell

OrderComment will show runtime O or D, not raw values.



- In toolTips you will see actual runtime O or D
- Picture shows that for buy EURUSD orders O=D=125, since raw values are the same for both
- for BUY O=D=12.5 pips
- while for SELL O=D=25.0 pips
- look O,D for buy are different form SELL values
- if raw O not equal to raw D, definitely you will have 4 differnt values if afraid and bias factors are not 1.00

d) Calculations

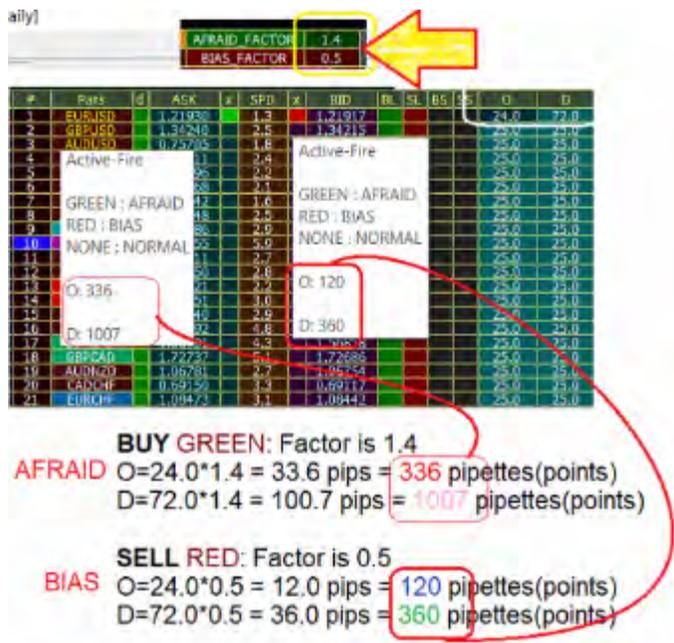
Calculations:

Afraid = 1.4

Bias = 0.50

illustrated on picture

-if color not RED not GREEN, experts ignore these factors and multiply by 1.00



e) Order Comments

OrderComment shows runtime O and D

Dahsboard shows raw values.

type	Size	Symbol	Price	S/L	T/P	Price	AFRAID_FACTOR	BIAS_FACTOR	Profit	Comment
sell	0.01	autobid	0.75/0.6	0.00000	0.75/0.6	0.75/0.6	1.4	0.618	-10 X	1.500301 14034000 0.75/0.6

Time	#	Release	BS	Price	#	Price	APR	SPR	UT	3	5	30	360	Q	E	W	L	T	L1	L2	L3	TO	TP	CAP	PL	TR	Average price
10:00	1	1.0011	0.0000	1.0000	1	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Conclusions

you can now differentiate b/w Buys and Sells sO, D, setting

f) Afraid/ Bais Factors, Limit

Post 6529

AFRAID is b/w 1.01 and pi 3.14

and

BIAS b/w 0.25 and 0.99

```

1 if(title=="AFRAID_FACTOR")
2
3     AFRAID_FACTOR=double(value);
4     if(AFRAID_FACTOR>3.14) AFRAID_FACTOR=3.14;
5     if(AFRAID_FACTOR<1.01) AFRAID_FACTOR=1.01;
6
7 if(title=="BIAS_FACTOR")
8
9     BIAS_FACTOR=double(value);
10    if(BIAS_FACTOR>0.99) BIAS_FACTOR=0.99;
11    if(BIAS_FACTOR<0.25) BIAS_FACTOR=0.25;

```

```

1 FileWrite(file_handle_f0,"AFRAID_FACTOR=1.414");
2 FileWrite(file_handle_f0,"///AFRAID_FACTOR///Range 1.01 to 3.14");
3 FileWrite(file_handle_f0,"BIAS_FACTOR=0.618");
4 FileWrite(file_handle_f0,"///BIAS_FACTOR///Range 0.25 to 0.99");
5 FileWrite(file_handle_f0,"CWC_MAXIMUM_LOTS=50");

```

```

164 ///SERIAL_LIMITER///Range 0.01 to 9999
165 AFRAID_FACTOR=1.414
166 ///AFRAID_FACTOR///Range 1.01 to 3.14
167 BIAS_FACTOR=0.618
168 ///BIAS_FACTOR///Range 0.25 to 0.99
169 MAXIMUM_ACCOUNT_LOTS=50

```

and through mouse clicks CWC, also no way for mistakes or violating limits:

```

if($param=="AFRAID_FACTOR1")
{
    AFRAID_FACTOR=double(Dummy_Number);
    if(AFRAID_FACTOR<1.01)
        AFRAID_FACTOR=1.01;
    if(AFRAID_FACTOR>3.14)
        AFRAID_FACTOR=3.14;
}

if($param=="BIAS_FACTOR1")
{
    BIAS_FACTOR=double(Dummy_Number);
    if(BIAS_FACTOR>0.99)
        BIAS_FACTOR=0.99;
    if(BIAS_FACTOR<0.25)
        BIAS_FACTOR=0.25;
}

if($param=="AFRAID_FACTOR2")
{
    AFRAID_FACTOR=double(Dummy_Number);
    if(AFRAID_FACTOR<1.01)
        AFRAID_FACTOR=1.01;
    if(AFRAID_FACTOR>3.14)
        AFRAID_FACTOR=3.14;
}

if($param=="BIAS_FACTOR2")
{
    BIAS_FACTOR=double(Dummy_Number);
    if(BIAS_FACTOR>0.99)
        BIAS_FACTOR=0.99;
}

```

it is very clear and simple and already explained

2 months ago we said: true O,D values will be shown in tooltips of pairs afraid/bias buttons for both sell and buy

and **the code logic describe BUY as BS and BL---** **AGIAN PLEAST TRY IT YOUR SELF THROUGH DEMO TRADING**--check difference in pips b/w 2 consecutive orders.

below each 141.4 pips = 1414 points there will be a new order, even though you see original 100.0 pips (look at .0, 0 after decimal to realize it is pips not point/pipette)

you know you choose afraid, since **B-Button is green**

Active-Fire
GBPUSD
100 AfraidFactor 1.414
1 BasFactor 0.618
TP
UR NON-28 CLOSED CH ME

GREEN : AFRAID
RED : BIAS
GRAY: PRICE UP/DOWN ARROWS(+NEUTRAL)
NONE : NEUTRAL

O: 1414
D: 1414

100 pips = 1000 points
1000*1.414 = 1414 points

4) Order Types

Post #7265

i study this case for an hour,
it must be the responsibility of the trader since BS, SLM BL, SS all are equal n theory
no need for any additions
trader will not commit mistakes if he understand basic functions.

as we said months ago:

if **DB** is -ve, we expect **BL** orders to be executed and also **SS** orders
if **DS** is -ve, we expect **SL** orders to be executed and also **BS** orders

or in other more accurate words:

if **DB** is -ve, we expect **BL** orders to be executed
if **DB** is +ve, we expect **BS** orders to be executed
if **DS** is -ve, we expect **SL** orders to be executed
if **DS** is +ve, we expect **SS** orders to be executed

Assume O=D=10, TP=20, TO = 5, L1/L2/L3 = 1/1/1
Example Ref P: **0.95600**

a) BL = Buy Limit

Buy Limit Price below Ref P by O=D=10

BL	TP
0.95500	0.95700
0.95400	0.95600
0.95300	0.95500
0.95200	0.95400
0.95100	0.95300

b) SL = Stop Limit

Stop Limit Price above Ref P by O=D=10

BL	TP
0.95700	0.95500
0.95800	0.95600
0.95900	0.95700
0.96000	0.95800
0.96100	0.95900

c) BS = Buy Stop

Buy Stop Price above Ref P by O=D=10

BL	TP
0.95700	0.95900

0.95800	0.96000
0.95900	0.96100
0.96000	0.96200
0.96100	0.96300

d) SS = Sell Stop

Sell Stop Price below Ref P by O=D=10

BL	TP
0.95500	0.95300
0.95400	0.95200
0.95300	0.95100
0.95200	0.95000
0.95100	0.94900

in column #B or #S, will **might** see **doubled numbers**

IN YOUR CASE

#B shows the number of BL and BS orders
 #S shows the number of SL and SS orders

assume price goes up 5 pips then drop 10 pips (5 pips back to ref price) and more 5 pips below ref.

O=D=1

then 5 BS is executed then 5 BL is executed,
 sum is #B=10, even though you see DB= -5, NOT -10

MB	LB	#B	DS	MS	LS	#S	GAP	PL USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL
-0.02	0.30	3	-0.00	-0.20	0.20	2	0.22	-17.65	1	SIZO	23.189	0.18	23.207				1.00	1.00		0.01	0.01	9999
-3.50	0.10	1	-0.13	-3.00	0.20	2	6.50	-26.27	2	US30Roll	29899.60	2.80	29902.40				1.00	1.00		0.10	0.10	9999
-1.75	0.10	1	0.13	-0.40	0.10	1	1.75	-5.9	3	UT100Roll	11949.12	1.00	11950.12				1.00	1.00		0.10	0.10	9999
-2.50	0.20	2	-2.00	-2.50	0.10	1	3.00	-9.99	4	DE30Roll	13257.00	0.00	13258.00				1.00	1.00		0.10	0.10	9999
-5.00	3.00	3			1.00	1	5.00	-77.15	5	JP225Roll	26370.50	10.00	26380.50				1.00	1.00		1.00	1.00	9999
-1.00	0.30	3	-2.00	-2.50	0.20	2	3.50	-9.55	6	HK50Roll	26616.00	6.00	26622.00				1.00	1.00		0.10	0.10	9999
-0.50	0.30	3	-0.50	-0.50	0.10	1	1.00	-3.44	7	AUS200Roll	6643.10	4.80	6648.40				1.00	1.00		0.10	0.10	9999

BuyStop BGCOLOR
BuyLimit BGCOLOR

SellStop BGCOLOR
SellLimit BGCOLOR

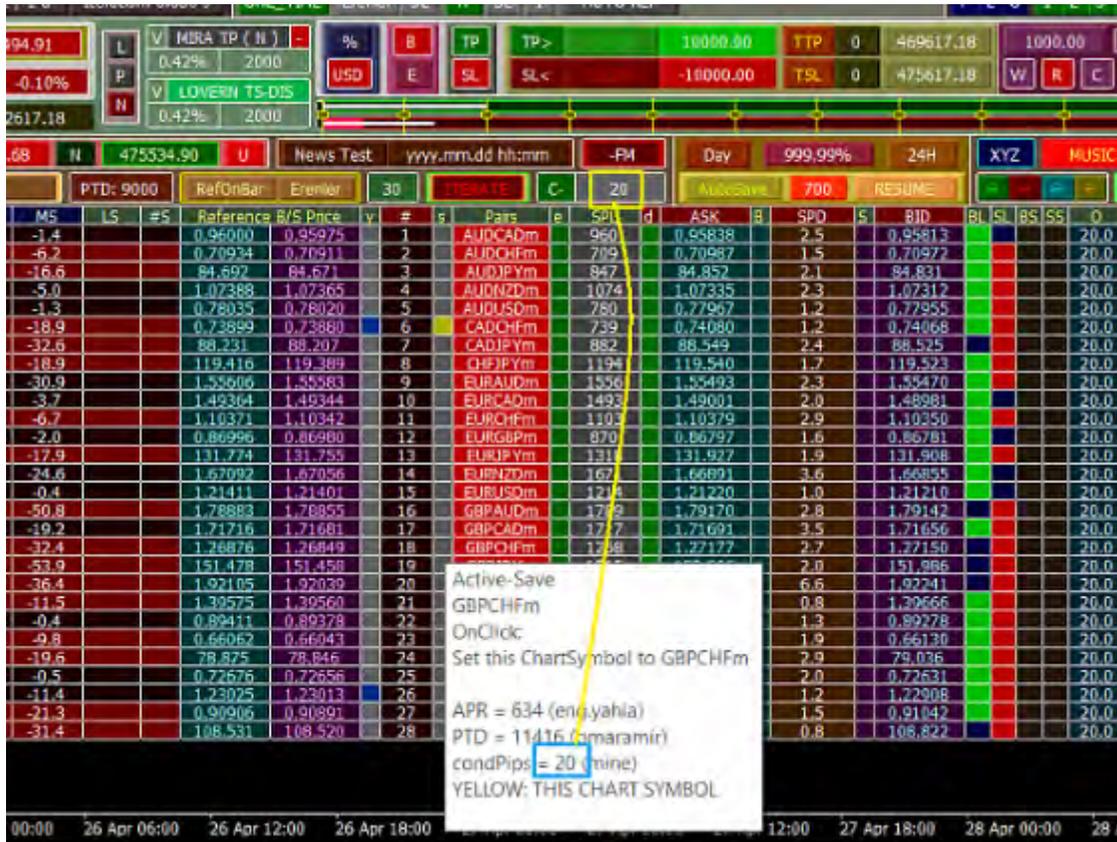
for last order
 executed in
 each case

MB	LB	#B	DS	MS	LS	#S	GAP	PL USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL
0	0.10	1	-0.20	0.30	0.30	1	0.30	-18.15	1	SIZO	23.179	0.18	23.197				1.00	1.00		0.01	0.01	9999
0	0.40	4	4.00	-3.00	0.20	2	8.50	-25.95	2	US30Roll	29897.60	2.80	29900.40				1.00	1.00		0.10	0.10	9999
5	0.10	1	0.75	-0.13	0.10	1	1.88	-6.33	3	UT100Roll	11948.50	1.00	11949.50				1.00	1.00		0.10	0.10	9999
0	0.20	2	-2.00	0.00	0.20	2	6.50	49.28	4	DE30Roll	13257.00	0.00	13258.00				1.00	1.00		0.10	0.10	9999
0	3.00	3		-5.00	1.00	1	10.00	-77.1	5	JP225Roll	26370.50	10.00	26380.50				1.00	1.00		1.00	1.00	9999
0	0.30	3	-3.50	-4.00	0.30	3	5.00	-9.75	6	HK50Roll	26617.50	6.00	26623.50				1.00	1.00		0.10	0.10	9999
0			-1.00	-1.00	0.10	1	1.00	-3.85	7	AUS200Roll	6643.60	4.80	6648.40				1.00	1.00		0.10	0.10	9999

4 different colors--last executed order OrderComment box BackGround colors

5) Conditional Orders (BL/SL/BS/SS)

and each pair may has use its **own -conditional pips** especially if you apply **Justice** also check under **Samira** button for exact current pips:



NewLesson: BLUE-ORDERS(O1-05) Conditional Entry (BL)

we have 4 types of blue orders BL-SL-BS-SS like famous ordinary types

BL: Ordinary BuyLimit or Conditional BuyLimit

Ordinary or normal BL is the same order type BL that we use everyday,:

example:

price now is 1.0000

O=D=10, then first five orders are:

- 1st order at 0.9990
- 2nd order at 0.9980
- 3rd order at 0.9970
- 4th order at 0.9960
- 5th order at 0.9950

for Conditional BL, the same procedurs, but order level are **shifted up by some pips** determined by you let us say cPips=100 pips then,

- 1st order at 1.0090
- 2nd order at 1.0080

3rd order at 1.0070
4th order at 1.0060
5th order at 1.0050

expert **will wait** till the prices first goes up by 100 pips then start BL from 1.0100 instead of 1.0000

when expert trigger 1.0100, the BL button will be blue

Advantages: many, among them: do not use BL unless some strong resistance is broken!

NewLesson: BLUE-ORDERS(02-05) Conditional Entry (SL)

SL:

Ordinary SellLimit or Conditional SellLimit

Ordinary or normal SL is the same order type SL that we use everyday,:

example:

price now is 1.0000

O=D=10, then first five orders are:

1st order at 1.0010
2nd order at 1.0020
3rd order at 1.0030
4th order at 1.0040
5th order at 1.0050

for Conditional SL, the same procedurs, but order level are **shifted down by some pips** determined by you let us say cPips=100 pips then,

1st order at 0.9910
2nd order at 0.9920
3rd order at 0.9930
4th order at 0.9940
5th order at 0.9950

expert **will wait** till the prices first goes **down** by 100 pips, then start sL from 0.9900 instead of 1.0000

when expert trigger 0.9900, the SL button will be blue

Advantages: many, among them: do not use SL unless some strong support has been broken!

NewLesson: BLUE-ORDERS(03-05) Conditional Entry (BS)

BS:

Ordinary BuyStop or Conditional BuyStop

Ordinary or normal BS is the same order type BS that we use everyday,:

example:

price now is 1.0000

O=D=10, then first five orders are:

1st order at 1.0010
2nd order at 1.0020
3rd order at 1.0030
4th order at 1.0040
5th order at 1.0050

for Conditional BS, the same procedurs, but order level are **shifted down by some pips** determined by you let us say cPips=100 pips then,

- 1st order at 0.9910
- 2nd order at 0.9920
- 3rd order at 0.9930
- 4th order at 0.9940
- 5th order at 0.9950

expert **will wait** till the prices first goes **down** by 100 pips, then start BS from 0.9900 instead of 1.0000

when expert trigger 0.9900, the BS button will be blue

Advantages: many, among them: you guess when prices fropt to some level a **new trend** will emerge.

NewLesson: BLUE-ORDERS(04-05) Conditional Entry (SS)

we have 4 types of blue orders BL-SL-BS-SS
like famous ordinary types

SS: Ordinary SellStop or Conditional SellStop

Ordinary or normal SS is the same order type SS that we use everyday, :
example:

price now is 1.0000

O=D=10, then first five orders are:

- 1st order at 0.9990
- 2nd order at 0.9980
- 3rd order at 0.9970
- 4th order at 0.9960
- 5th order at 0.9950

for Conditional SS , the same procedurs, but order level are **shifted up by some pips** determined by you let us say cPips=100 pips then,

- 1st order at 1.0090
- 2nd order at 1.0080
- 3rd order at 1.0070
- 4th order at 1.0060
- 5th order at 1.0050

expert **will wait** till the prices first goes up by 100 pipsm then start SS from 1.0100 instead of 1.0000

when expert trigger 1.0100, the SS button will be blue

Advantages: many, among them, new trend may emerge, then you enter from higher levels with better afgPips, less possible losses. if prices do not drop, you in safe side!

NewLesson: BLUE-ORDERS(05-05) synonyms

then we have now 10 order types:
old six types

plus new 4 types

المشهوره أو العادية الأوامر

old types we call them: normal types, or ordinary types or famous types.

الذكية أو الزرقاء أو الشرطية الأوامر

new types we call them: **conditional types**, or **blue types** or **smart-types**

Be yourself

expert will ignore any buylimit entry **till the prices first hit 1.2727**

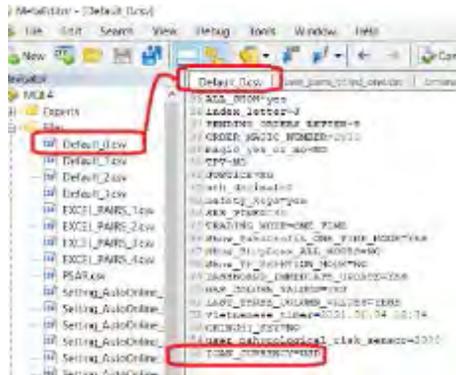


from your experience, give us another advantages/ cases

try to link these things with market correction like **RSI (or whatever indc)** first hit 70 (assume new trend)

then later when drop to 50, you assume it is a correction.

6) ICAN Default Currency – Choose related orders base on Currency



The last element in the file
of course you can copy it to line number 1 or even delete it from the file!

when you attach the e3pert to tha chart--value USD come from **your** file default_0.csv----not my file 😊

but later you can change it as you like, at any time, to any currency
any click on non currency groups will reset it to AMBIGUOUS CURRENCY SYMBOL **XYZ**



NOW

- 1- select MY
- 2- you must disable GROUPS-KEY ---**RED**
- 3- MOUSE-CLICKS button must be **GREEN**
- 4- in this wat when you click on GBP, expert will not change group from MY to GBP
- 5- GBP now is your dummy currency--look at ICA-N currency button, GBP immediatly transfered there

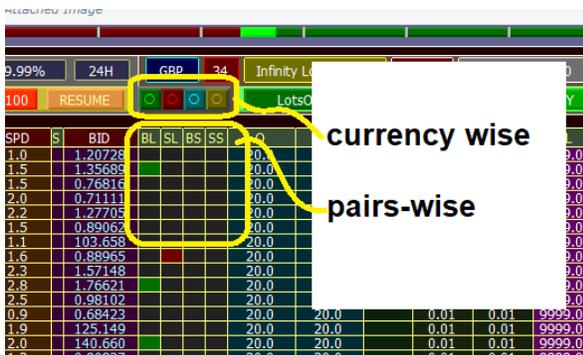


click on any of types:
 it will be reflected as a currency-wise, not pair-wise
 EURGBP is sell ===== GBP itself if BUY.
 GREEN circle above **BL**===== it is currency buylimit
 and so on



look at **GBP** pairs--backgrounded in deep-blue color

i remove old colors for specific pairs.



currency wise
 pairs-wise

7) Max TO and Max LL for all 4 order types

now #of orders reaching max TO is colored in systematic way:

also Lot limiter for all r types is distiguihws with same order type color from last month:

BL=Green

SL = Red

BS=Aqua

SS=Orange

Now columns #B (BUY) or #S, (SELL)

plus

columns of TO (BUY) and LD (SELL)

their BGColor will react according to types color

8) Expert Timer button



DURING OPERATION: use expert timer 3 or more seconds. market will not fly, i personally use 7 seconds.



Post#5281

that is not true

YOU who make it to trade each 0.500 seconds. Iteration timer

i recommed always **to make expert very very slow** to get good results and give sudden colatity ample time to make prices better.

market will not fly.

9) Widening (W)

W = +1 (Deceleration)

W = -1 (Acceleration)

both on all 28 pairs use O=D=10 Pips

but **bazze** use **W = +1**

while **zorafx** W=0;

Price of YYYYXX pair now is **1.0000**

they want to enter sell positions on YYYYXX? for 4 orders??

what there 4 entry levels??

W=0 ==> Simple case, no Widening here (W=Widening)

so **zorafx** entry levels:

#1: **1.0010**

#2: **1.0020**

#3: **1.0030**

#4: **1.0040**

a) Deceleration (W = 1)

Assume use **W = +1**

but for bazze, matter is somewhat complicated.

#1: **1.0010**----X

#2: **1.0020**----0

#3: **1.0031**----1

#4: **1.0043**----2

O=D=10, distance b.w first two orders will be 10 pips,

now each new order will be the same immediate previous difference + W value (read it again: plus W value)

10 pips= difference in pips b/w 1st and 2nd orders

11 pips= difference in pips b/w 2nd and 3rd orders

12 pips= difference in pips b/w 3rd and 4th orders

13 pips= difference in pips b/w 4th and 5th orders

14 pips= difference in pips b/w 5th and 6th orders

b) Acceleration (W = -1)

Assume use W=-1,

assume we continue . .

#1-: 1.00**10**---- first order X

#2-: 1.00**20**---- diff = **10** pips

#3-: 1.00**29**---- diff = **9** pips

#4-: 1.00**37**---- diff = **8** pips

#5-: 1.00**44**---- diff = **7**pips

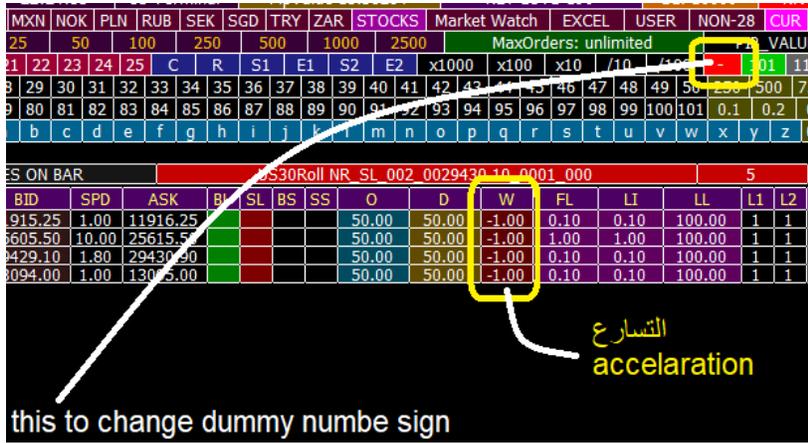
#6-: 1.00**50**---- diff = **6** pips

#7-: 1.00**55**---- diff = **5** pips

#8-: 1.00**59**---- diff = **4**pips

#9-: 1.00**62**---- diff = **3** pips

- #10: 1.0064---- diff = 2 pips
- #11: 1.0065---- diff = 1 pip
- #12: 1.0065---- diff = 0 pips
- #13: 1.0064---- diff = -1 pip



- 10 pips= difference in pips b/w 1st and 2nd orders
- 9 pips= difference in pips b/w 2nd and 3rd orders
- 8 pips= difference in pips b/w 3rd and 4th orders
- 7 pips= difference in pips b/w 4th and 5th orders
- 6 pips= difference in pips b/w 5th and 6th orders

What will happen if we continue for 15 orders??? rotation?
 be cerful please, even though program is smart enough to avoid your possible mistakes

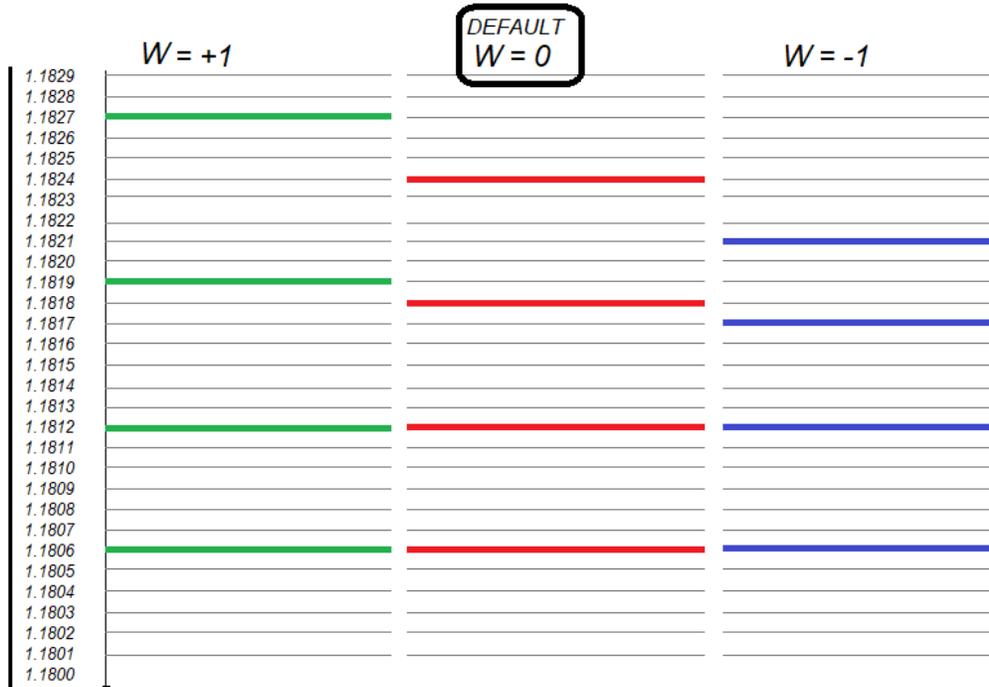
Order	Time	Type	Size	Symbol	Price	S/L	I/P	Price	Profit	Comment
Balance: 1,069.60 USD Equity: 1,069.60 Free margin: 1,069.60										0.00
2394593	2020.11.13 22:48:46	sell limit	0.22	eurusd	1.18424	0.00000	1.17424	1.18329	×	G_1.18324_SL00.22.100.100
2394592	2020.11.13 22:48:45	sell limit	0.21	eurusd	1.18524	0.00000	1.17524	1.18329	×	G_1.18324_SL00.21.100.100
2394590	2020.11.13 22:48:45	sell limit	0.20	eurusd	1.18614	0.00000	1.17614	1.18329	×	G_1.18324_SL00.20.100.100
2394589	2020.11.13 22:48:45	sell limit	0.19	eurusd	1.18694	0.00000	1.17694	1.18329	×	G_1.18324_SL00.19.100.100
2394588	2020.11.13 22:48:44	sell limit	0.18	eurusd	1.18764	0.00000	1.17764	1.18329	×	G_1.18324_SL00.18.100.100
2394587	2020.11.13 22:48:44	sell limit	0.17	eurusd	1.18824	0.00000	1.17824	1.18329	×	G_1.18324_SL00.17.100.100
2394586	2020.11.13 22:48:44	sell limit	0.16	eurusd	1.18874	0.00000	1.17874	1.18329	×	G_1.18324_SL00.16.100.100
2394585	2020.11.13 22:48:43	sell limit	0.15	eurusd	1.18914	0.00000	1.17914	1.18329	×	G_1.18324_SL00.15.100.100
2394584	2020.11.13 22:48:43	sell limit	0.14	eurusd	1.18944	0.00000	1.17944	1.18329	×	G_1.18324_SL00.14.100.100
2394582	2020.11.13 22:48:42	sell limit	0.13	eurusd	1.18964	0.00000	1.17964	1.18329	×	G_1.18324_SL00.13.100.100
2394581	2020.11.13 22:48:42	sell limit	0.12	eurusd	1.18974	0.00000	1.17974	1.18329	×	G_1.18324_SL00.12.100.100
2394580	2020.11.13 22:48:41	sell limit	0.11	eurusd	1.18974	0.00000	1.17974	1.18329	×	G_1.18324_SL00.11.100.100
2394579	2020.11.13 22:48:41	sell limit	0.10	eurusd	1.18964	0.00000	1.17964	1.18329	×	G_1.18324_SL00.10.100.100
2394578	2020.11.13 22:48:41	sell limit	0.09	eurusd	1.18944	0.00000	1.17944	1.18329	×	G_1.18324_SL00.09.100.100
2394577	2020.11.13 22:48:40	sell limit	0.08	eurusd	1.18914	0.00000	1.17914	1.18329	×	G_1.18324_SL00.08.100.100
2394575	2020.11.13 22:48:40	sell limit	0.07	eurusd	1.18874	0.00000	1.17874	1.18329	×	G_1.18324_SL00.07.100.100
2394574	2020.11.13 22:48:40	sell limit	0.06	eurusd	1.18824	0.00000	1.17824	1.18329	×	G_1.18324_SL00.06.100.100
2394573	2020.11.13 22:48:39	sell limit	0.05	eurusd	1.18764	0.00000	1.17764	1.18329	×	G_1.18324_SL00.05.100.100
2394572	2020.11.13 22:48:39	sell limit	0.04	eurusd	1.18694	0.00000	1.17694	1.18329	×	G_1.18324_SL00.04.100.100
2394571	2020.11.13 22:48:39	sell limit	0.03	eurusd	1.18614	0.00000	1.17614	1.18329	×	G_1.18324_SL00.03.100.100
2394570	2020.11.13 22:48:38	sell limit	0.02	eurusd	1.18524	0.00000	1.17524	1.18329	×	G_1.18324_SL00.02.100.100
2394568	2020.11.13 22:48:38	sell limit	0.01	eurusd	1.18424	0.00000	1.17424	1.18329	×	G_1.18324_SL00.01.100.100

W = minus 1 Effect

D Equity: 1,069.60 Free margin: 1,069.60								0.00	
11.13 22:48:46	sell limit	0.22	eurusd	1.18424	0.00000	1.17424	1.18325	×	G_1
11.13 22:48:45	sell limit	0.21	eurusd	1.18524	0.00000	1.17524	1.18325	×	G_1
11.13 22:48:45	sell limit	0.20	eurusd	1.18614	0.00000	1.17614	1.18325	×	G_1
11.13 22:48:45	sell limit	0.19	eurusd	1.18694	0.00000	1.17694	1.18325	×	G_1
11.13 22:48:44	sell limit	0.18	eurusd	1.18764	0.00000	1.17764	1.18325	×	G_1
11.13 22:48:44	sell limit	0.17	eurusd	1.18824	0.00000	1.17824	1.18325	×	G_1
11.13 22:48:44	sell limit	0.16	eurusd	1.18874	0.00000	1.17874	1.18325	×	G_1
11.13 22:48:43	sell limit	0.15	eurusd	1.18914	0.00000	1.17914	1.18325	×	G_1
11.13 22:48:43	sell limit	0.14	eurusd	1.18944	0.00000	1.17944	1.18325	×	G_1
11.13 22:48:42	sell limit	0.13	eurusd	1.18964	0.00000	1.17964	1.18325	×	G_1
11.13 22:48:42	sell limit	0.12	eurusd	1.18974	0.00000	1.17974	1.18325	×	G_1
11.13 22:48:41	sell limit	0.11	eurusd	1.18974	0.00000	1.17974	1.18325	×	G_1
11.13 22:48:41	sell limit	0.10	eurusd	1.18964	0.00000	1.17964	1.18325	×	G_1
11.13 22:48:41	sell limit	0.09	eurusd	1.18944	0.00000	1.17944	1.18325	×	G_1
11.13 22:48:40	sell limit	0.08	eurusd	1.18914	0.00000	1.17914	1.18325	×	G_1
11.13 22:48:40	sell limit	0.07	eurusd	1.18874	0.00000	1.17874	1.18325	×	G_1
11.13 22:48:40	sell limit	0.06	eurusd	1.18824	0.00000	1.17824	1.18325	×	G_1
11.13 22:48:39	sell limit	0.05	eurusd	1.18764	0.00000	1.17764	1.18325	×	G_1
11.13 22:48:39	sell limit	0.04	eurusd	1.18694	0.00000	1.17694	1.18325	×	G_1
11.13 22:48:39	sell limit	0.03	eurusd	1.18614	0.00000	1.17614	1.18325	×	G_1
11.13 22:48:38	sell limit	0.02	eurusd	1.18524	0.00000	1.17524	1.18325	×	G_1
11.13 22:48:38	sell limit	0.01	eurusd	1.18424	0.00000	1.17424	1.18325	×	G_1

- O = Offset = first order level - reference price
- D = Difference b/w *n*th order and (*n*+1)th starting from 2nd order
- W = Widening +deaccelaration -accelaration

assume EUR USD now is 1.18000 O = D = 6 pips



First 4 orders for three cases

10) First Lot (FL)

First Lot Size when price goes against you based on O and D Concept

11) Lot Increment (L) – based on FL

Lot Increment after First Lot (FL) order has been placed as per above

12) Lot Limiter (LL)

LL = Lot limiter column

this column values show the maximum accumulative pairs in one direction for each pair.

for example your balance is 4000 USD -- you want to enter 50 position on EURUSD -- and at the same time you do not want total lots to exceed 3 lots.

simply set EURUSD LL value to 3 lots to avoid risky situations!! it depends on you!

a) Lot Limiter Button

Lot limiter

do you want to show **ALL** open Lots

or do you want to show **Array** Lots

or do you want to show **Expert** Lots



Array: when you choose for example EUR-7 (red EUR) -- This is **your current group selected**--in other words, this is the **array** of 7 pairs. expert will ignore other pairs not on dashboard.

also if you use "EXPERT" mode for LL, expert will be faster since **there is no** math calc for old orders lots.

13)L1/L2/L3

Refer to topic on Lots Design Configurations

14)Total Orders (TO)

Total orders in one direction (Buy/Sell) for each type (Stop/ Limit)

Example: TO=20, if you activate SL and BL---then there will be a maximum 20 orders Sell Limit and 20 Sell Limit Orders, which give a Grand total of **40 orders** for the particular pair

15)Max User Total Order

how to set max user orders??



16)Ladder (LD)

Number of orders before new order **FI + LI** (subseq Last Order + LI) takes place, depending on **Ladder** Value of **LD**

Example:

FI = 0.01

LI = 0.01

LD = 5 (Ladder)

TO = 20 (total 20 Orders)

After first 5 orders, we increase next 5 orders by LI (0.01 in this case), up to max TO (20 in this case)

Therefore:

1st order = 0.01 lot

2nd order = 0.01 lot

3rd order = 0.01 lot

4th order = 0.01 lot

5th order = 0.01 lot

6th order = 0.02 lot(Last order lot+LI)

- 7th order = 0.02 lot
- 8th order = 0.02 lot
- 9th order = 0.02 lot
- 10th order = 0.02 lot
- 11th order = 0.03 lot(Last order lot+LI)
- 12th order = 0.03 lot
- 13th order = 0.03 lot
- 14th order = 0.03 lot
- 15th order = 0.03 lot
- 16th order = 0.04 lot(Last order lot+LI)
- 17th order = 0.04 lot
- 18th order = 0.04 lot
- 19th order = 0.04 lot
- 20th order = 0.04 lot

17) Take Profit (TP)

Number of Pips for target Take Profit

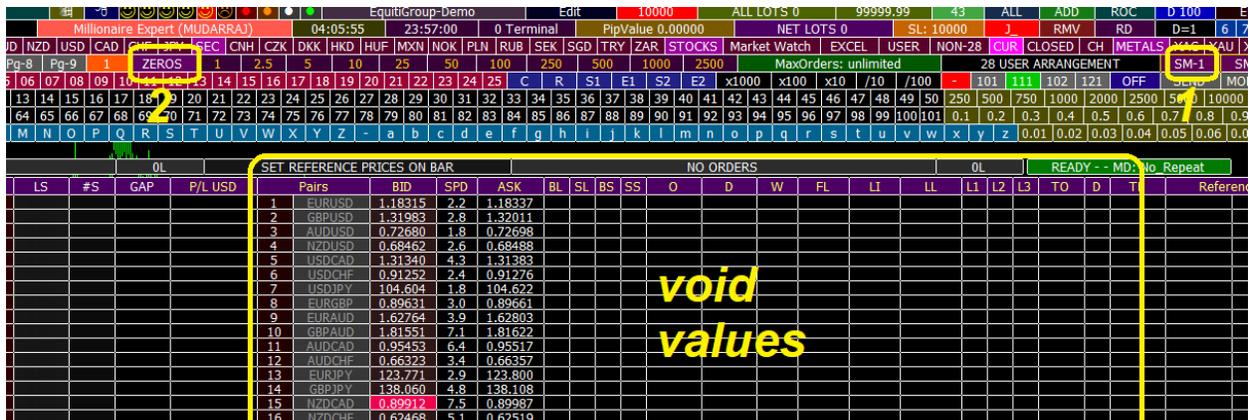
18) Reset – SM1 – “Zeros”

Reset all settings How to **reset** all previous settings?

click "**SM-1**", then click on "**Zero_All**"

if you click one everything will be void including order types BL, SL, etc..

but since it is a dangerous step to zeros all fields, there is a safety condition: click first on box "SM-1", then "Zero_All" will be ready to accept your click



19) “s” Button (APR & PTD)

under **samira-button "s"** you will find each pair:

- 1) APR(eng.yahia idea)
- 2) PTD (omaramir idea)

TP/SL Ruler

News Test yyyy.mm.dd hh:mm -FM Day 999.99%

RefOnBar Erenler 30 ITERATE SPL: 1000.00 AutoSave 700 RES

Reference B/S Price	y	#	s	Pa	PD	S
1.20467	1.20459	1		EURUSD	0.8	1
1.38689	1.38681	2		GBPUSD	0.8	1
0.77355	0.77340	3		AUDUSD	0.2	0
0.71811	0.71799	4		NZDUSD	0.2	0
1.25032	1.25020	5		USDCADm	1000.0	1.25026
0.91606	0.91591	6		USDCHFm	1000.0	0.91601
108.176	108.165	7		USDJPYm	1000.0	108.175
0.86868	0.86852	8		EURGBPm	1000.0	0.86865
1.55751	1.55728	9		EURAUDm	1000.0	1.55767
1.79314	1.79286	10		GBPAUDm	1000.0	1.79333
0.96717	0.96692	11				
0.70858	0.70843	12				
130.311	130.292	13				
150.025	150.005	14				
0.89787	0.89766	15				
0.65779	0.65761	16				
1.50621	1.50601	17				
1.73410	1.73375	18				
1.07731	1.07708	19				
0.73269	0.73257	20				
1.10356	1.10327	21				
1.27045	1.27018	22				
83.679	83.658	23				
77.686	77.657	24				
86.531	86.507	25				
118.099	118.082	26				

SAMIRA BUTTON

Active-Save
 EURAUDm
 OnClick:
 Set this ChartSymbol to EURAUDm
 Hint:
 Look at chart upper left corner
 Yellow indicate this pair is also ChartSymbol

APR = 1000
 PTD = 1000 **in points**

MS LS #S Reference B/

PTD: 100 RefOnBar

9- Dashboard Part 1- First 8 Dashboard Columns + GAP

ADD ROC D 10 PASS WORD

RMV RD D=1 Number of

ICMarkets-Demo03

28 SY_xxxxxxCADCHF_019_WW 22 DPI = 96 Millionare Expert(Mudarra) T 11:00:42 L 17:00:42 BLACK-OUT

EXCEL OPEN/PEND PV PATH-1 MY 28 EUR GBP AUD NZD USD CAD CHF JPY SEC CNH CZK DKK HKD HUF MXN NOK PLN 11 102 121 S 0.000 T SK-1 SK-2

100 Pg-1 Pg-2 Pg-3 Pg-4 Pg-5 Pg-6 Pg-7 Pg-8 Pg-9 Pg-10 Pg-11 Pg-12 1 ZEROS D Y 10538.02 N U 1 2.5 5 10 15 20 25

0 24-HOURS TRADING C R -1 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22

0 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

10000 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83

+ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z - a b c d e f g

Timer update is currently set at 2.000 sec New orders pause time is currently set at 0.000

EURNZD #R_BL_027_0001.72180_0002_000 0.03 SET REFERENCE PRICES ON BAR 0 0 0.02

DB	MB	LB	#B	DS	MS	LS	#S	Reference B/S Price	Pairs	ASK	SPD	BID	LD	TP	GAP	P/L USD
1.21256	1.21256	1						1.21256	EURUSD	1.21248	0.0	1.21248	1	20.0	1.0	2.14
1.33431	1.33428	2						1.33428	GBPUSD	1.33451	0.3	1.33448	1	20.0	4.9	1.74
0.74260	0.74259	3						0.74259	AUDUSD	0.74274	0.2	0.74272	1	20.0	2.9	6.62
0.70465	0.70461	4						0.70461	NZDUSD	0.70467	0.2	0.70465	1	20.0	2.9	3.05
1.27888	1.27887	5						1.27887	USDCAD	1.27870	0.2	1.27868	1	20.0	1.4	
0.88980	0.88979	6						0.88980	USDCHF	0.88986	0.0	0.88986	1	20.0	0.5	
104.067	104.067	7						104.067	USDJPY	104.069	0.1	104.068	1	20.0	3.5	5.69
0.90879	0.90874	8						0.90879	EURGBP	0.90860	0.3	0.90857	1	20.0	6.2	4.55
1.63291	1.63283	9						1.63291	EURAUD	1.63251	0.7	1.63244	1	20.0	4.6	82.42
1.79686	1.79674	10						1.79686	GBP AUD	1.79684	1.5	1.79669	1	20.0	1.5	-5.16
0.94971	0.94966	11						0.94971	AUDCAD	0.94974	0.6	0.94968	1	20.0	2.4	
0.66078	0.66073	12						0.66078	AUDCHF	0.66093	0.1	0.66092	1	20.0	1.4	0.92
126.187	126.186	13						126.187	EURJPY	126.184	0.3	126.181	1	20.0	4.8	5.52
138.855	138.851	14						138.855	GBPJPY	138.882	0.8	138.874	1	20.0	1.9	
0.90118	0.90108	15						0.90118	NZDCAD	0.90111	1.0	0.90101	1	20.0	2.6	
0.62700	0.62695	16						0.62700	NZDCHF	0.62707	0.5	0.62702	1	20.0	3.9	-1.51
1.55072	1.55067	17						1.55072	EURCAD	1.55043	0.8	1.55035	1	20.0	3.3	28.05
1.70643	1.70630	18						1.70643	GBP CAD	1.70649	1.6	1.70633	1	20.0	1.5	-0.54
1.05393	1.05383	19						1.05393	AUDNZD	1.05403	0.6	1.05397	1	20.0	1.7	
0.69579	0.69574	20						0.69579	CADCHF	0.69594	0.6	0.69588	1	20.0	1.6	
1.07897	1.07891	21						1.07897	EURCHF	1.07894	0.2	1.07892	1	20.0	4.4	34.66
1.18728	1.18716	22						1.18728	GBPCHF	1.18754	1.0	1.18744	1	20.0	3.0	5.76
77.280	77.277	23						77.280	AUDJPY	77.295	0.3	77.292	1	20.0	3.2	
73.332	73.324	24						73.332	NZDJPY	73.337	0.8	73.329	1	20.0	2.0	
81.375	81.371	25						81.375	CADJPY	81.383	0.4	81.384	1	20.0	1.9	3.55
116.960	116.954	26						116.960	CHFJPY	116.953	0.5	116.948	1	20.0	5.9	-25.46
1.72092	1.72076	27						1.72092	EURNZD	1.72075	1.7	1.72058	1	20.0	1.9	
1.89370	1.89348	28						1.89370	GBP NZD	1.89393	2.7	1.89366	1	20.0	4.6	88.02

DB-MB-#B-LB ----- CALCUALTIONS BASED ON **BUY** POSITIONS

DS-MS-#S-LS----- CALCUALTIONS BASED ON **SELL** POSITIONS

and

GAP ----- extreme price movement range

Also be careful-- 4 OF thses 9 columns boxes are **action-event objects**. ==> #B - #S - LB - LS. The smart point here is that: each box is an INPUT/OUTPUT box! something strange, ususly others(like programmers) are not used to. each box is input and also is output!

1) DB/DS

DB column: values there are Current Price **ASK** minus **BUY** reference price

= differece in pips b/w current price and reference price---->for **buy** direction

it answers question: when I apply expert how many pips price goes against me?? (price goes **down**)

DS column: values there are Current Price **BID** minus **SELL** reference price

= differece in pips b/w current price and reference price---->for **sell** direction

it answers question: when I apply expert how many pips price goes against me?? (price goes **up**)

we know **Buy** orders are executed at **ASK** price not **BID** price (people ambiguously connect bid to buy and ask to sell) during **entry**.

their connection is correct only during **exit** not **entry**.

Market rule:

BUY ENTRY at **ASK** price, ---- **BUY EXIT** at **BID** price.

SELL ENTRY at **BID** price, --- **SELL EXIT** at **ASK** price.

Timer update is currently set at 2.000 sec

LAST BUYLIMIT/BUYSTOP ORDER COMMENT								0 Lots	SET REFERENCE PRICES ON BAR		
DB	MB	LB	#B	DS	MS	LS	#S	Reference B/S Price		Pairs	
49.8	-28.8			-49.8	-49.8			1.19134	1.19108	1	EURUSD
-61.2	-61.2			61.2	-36.1			1.33805	1.33605	2	GBPUSD
41.3	-1.2			-41.3	-41.3			0.73541	0.73341	3	AUDUSD
31.0	-10.0			-31.0	-31.0			0.70019	0.69845	4	NZDUSD
1.1	-9.6			1.1	-31.6			1.29992	1.29902	5	USDCAD
-31.3	-31.3			31.3	-17.3			0.90815	0.90753	6	USDCHF
32.6	-32.6			-32.6	-6.5			104.451	104.404	7	USDJPY
98.2	-2.4			-98.2	-98.2			0.89002	0.88802	8	EURGBP
34.2	-21.5			34.2	56.0			1.61763	1.61463	9	EURAUD
-140.2	-140.2			140.2	56.6			1.81723	1.81423	10	GBPAUD
43.2				43.2	2.0			0.95679	0.95417	11	AUDCAD
11.3	-16.3			11.3	5.0			0.66795	0.66587	12	AUDCHF
15.0	-54.3			15.0	1.1			124.443	124.347	13	EURJPY
-111.0	-111.0			111.0	1.9			139.785	139.485	14	GBPJPY
36.1	-10.0			-36.1	-48.2			0.91036	0.90794	15	NZDCAD
-1.6	-24.7			1.6	-21.5			0.63618	0.63472	16	NZDCHF
67.9	-20.7			-67.9	-67.9			1.54845	1.54714	17	EURCAD
-78.7	-78.7			78.7	58.8			1.73843	1.73543	18	GBPCAD
39.7	-0.1			-39.7	-62.9			1.04908	1.04608	19	AUDNZD
-7.5	-15.8			7.5	-26.7			0.69730	0.69621	20	CADCHF
5.2	-20.2			-5.2	-18.7			1.08212	1.08122	21	EURCHF
-98.9	-98.9			98.9	-35.4			1.21527	1.21227	22	GBPCHF
17.9	-16.1			-17.9	-30.9			76.814	76.611	23	AUDJPY
3.5	-27.4			-3.5	-26.3			73.172	72.999	24	NZDJPY
-10.7	-22.2			10.7	-15.4			80.266	80.179	25	CADJPY

dark or shining colours??

when **DB** box is **not** important?

ans: **when its value is +ve** ===== no **BUY** orders will be executed

when **DS** box is **not** important?

ans: **when its value is +ve** ===== no **SELL** orders will be executed

So **non-important values** will be **dark** green(for buys) or red(for sells)

while important values (-ve ones) will be **shining** green or red

2) MB/MS

Max worst B/S Pips. **M** = **Maximum** = maximum pips market goes against you in **both cases**: 1) buy direction and 2) sell direction.

MB: Maximum worst pips for BUY

MS: Maximum worst pips for SELL

look at account now:

now free margin is minus -- does column **#B**, **#S** values will change?

this is the most **difficult** part of expert as we noted earlier. **concentrate** during reading



to answer this question we must first understand what is the **purpose** or meaning of these **two** columns.

and to understand these two columns you have to understand first two extreme pips columns (**MB** and **MS**)

3) #B/#S

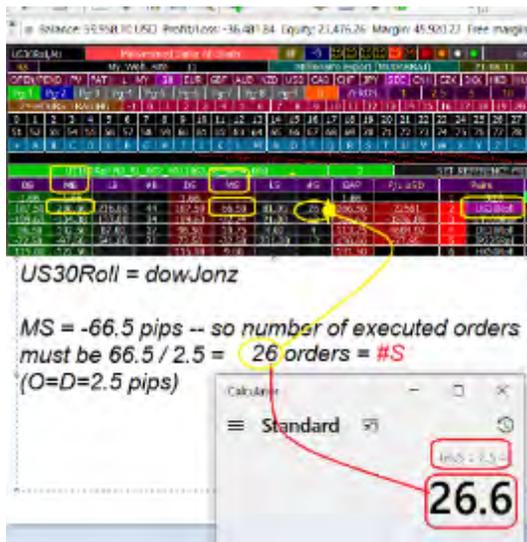
Number of B/S orders executed by expert

For **US30Roll**--there was adequate free margin ---therefore all orders are executed-no restrictions

#S = 26 orders -- reason: Market goes up by 66.5 pips since applying expert(=Goes gainst us by 66.5 pips up)

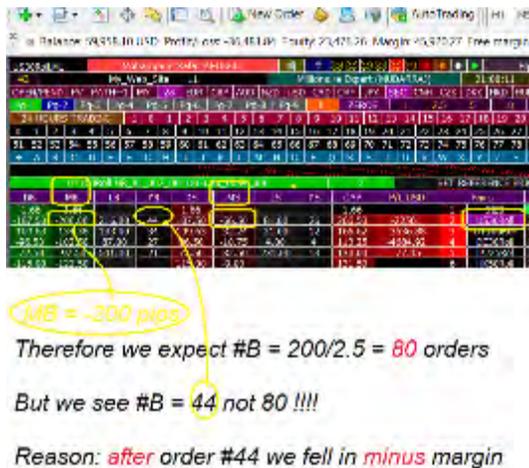
since our setting is O=D=2.5 pips (put **new order each 2.5 pips**) then total orders must be $66.5/2.5 = 26$ (integer number)

#S is number of sell order executed by expert.
look at picture.



for buy:

For **US30Roll**--there was **no** adequate free margin ---therefore **not** all orders are executed--restrictions



effect of **minus** free margin = any order satisfy entry condition will not executed, except when it is a hedging position

4) LB/LS

Columns LB, LS === L = Lots

Total "accumulated" executed order lots are recorded.

for example if you look at prev picture:

there is **81** lot of sell positions and **216** lots for buy position on US30Roll

Balance: 59,958.10 USD Profit/Loss: -36,481.84 Equity: 23,476.26 Margin: 45,920.27 Free margin: -22,444.01 Margin level: 51.12%

US30Roll,M1 Mohammed Safer Al-Otaibi EquitiGroup-Demo

43 My_Web_Site 11 Millionaire Expert (MUDARRAJ) 21:08:11 20:08:12 10 Terminal

OPEN/PEND PV PATH-1 MY 28 EUR GBP AUD NZD USD CAD CHF JPY SEC CNH CZK DKK HKD HUF MXN NOK PLN RUB SEK SGD

Pg-1 Pg-2 Pg-3 Pg-4 Pg-5 Pg-6 Pg-7 Pg-8 Pg-9 0 ZEROS 1 2.5 5 10 25 50 100 250 500

24-HOURS TRADING =1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 C R S1

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87

+ A B C D E F G H I J K L M N O P Q R S T U V W X Y Z - a b c d e f g h i

UT100Roll,MR, BL_002_0011863.88_0034_000 7 SET REFERENCE PRICES ON BAR JP

DB	MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	Pairs	BID	SPD	ASK	BL	SL
-1.66	-1.66			1.66				1.66		1	SIZ0	24.299	0.18	24.317	
-187.50	-200.00	1216.00	44	287.50	-66.50	81.00	26	266.50	-22561	2	US30Roll	29055.10	1.80	29056.90	
-109.63	-124.38	1133.00	34	109.63	-32.24	4.00	12	166.62	-3536.88	3	UT100Roll	11838.25	1.00	11839.25	
-96.50	-102.50	87.00	2	96.50	-10.75	4.00	4	113.25	-4684.92	4	DE30Roll	12967.25	1.00	12968.25	
-72.50	-97.50	541.00	71	72.50	-32.50	231.00	13	130.00	-77.95	5	JP225Roll	25354.50	10.00	25364.50	
-115											26181.00	6.00	26187.00		
-24											6406.60	4.80	6411.40		
-39											5334.40	1.20	5335.60		
-58											7674.00	6.00	7680.00		
-25											3408.05	0.90	3408.95		
-49											16401.44	8.70	16410.14		
-1											24.223	0.23	24.246		
-7											1875.98	0.31	1876.29		
-2											42.050	0.33	42.083		
-3											44.195	0.31	44.226		
-26											0.72354	1.7	0.72371		
-23											0.68450	2.2	0.68472		
-13											1.31353	2.3	1.31376		
-2											105.204	1.5	105.219		
-9											1.17961	1.5	1.17976		
46											1.63010	2.6	1.63036		
46											1.72201	3.4	1.72235		
3											1.54947	3.7	1.54984		
-6											124.104	2.4	124.128		
15											0.89971	2.2	0.89993		

Columns LB, LS == L = Lots

under these two columns--total "accumulated" executed order lots are recorded.

for example if you look at prev picture: there is 81 lot of sell positions and 216 lots for buy position on US30Roll

Trading Systems / Millionaire Expert (save as EA) 1 2 3 4 Page 5

16 traders viewing now, 4 are members: Macd-rsi, roberg, LuisCarlosF, juisen25

a) Accumulated Lots Formula

n = No. of orders (20 in the above example)

FL = First Lot (0.01)

for 101-config: very simple rule = $n * FL$

for 111-config: very simple rule = $n * FL * (1+n) / 2$ -----> $20 * 0.01 * (1+20) / 2 = 0.2 * 21 / 2 = 2.1$ (check last prev case)

for 102-config: very simple rule = $(2^n - 1) * FL$

assume my account is 1K USD, !! and I want to check for 20 orders starting with 0.01 lot with ladder = 1 !!

does my account tolerate that?

what is the general rule that I use in advance to know total possible lots prior to attaching expert! (risk-reward study)

$(0.01 + 0.20) / 2 * 20 = 0.21 * 10 = 2.1$ Lots!!

2.1 lot ==> pip value is 21.0,

$1000 / 21.0 =$ margin call will be after 40 to 35 pips!! very near!!

Agree

crazy trading!

for 1k lots should not exceed your "frequency" number! (max tolerance)

say mcp (margin call pips) = 250 pips! therefore lots should not exceed 0.40 lots!

b) Margin Call Pips

in forex make your holy number -- it must be **Margin Call Pips-MCP**- open new positions as much as

you like, but please at some specific time stop.
 stop when the margin call pips reach your x-pips

your x is different from my x

if you can tolerate up to 250 pips, your x is 250 pips! your psychological holy number
 when MCP goes down to 240, may you will be nervous upset,

5) Gap

Updated version: See Mathematical Cal Boxes > Gap

it is the total range in pips b/w highest price and lowest price since referencing (starting expert)
 by logic == **GAP = MB+MS**

Balance: 29,562.50 USD Profit/Loss: -22,143.10 Equity: 7,419.40 Margin: 17,924.52

DB	MB	LB	#B	DS	MS	LS	#S	GAP	P/L USD	
-1.50	2.06			1.50				2.06		1
-229.50	-256.50	216.00	44	229.50	-66.50	81.00	26	323.00	-2535.4	2
-142.76	-154.38	150.00	34	142.76	-37.24	21.00	12	160.62	-5325.9	3
-96.25	-105.75	87.00	27	96.25	-10.75	4.00	4	116.50	-4663.8	4
-117.50	-127.5								-167.91	5
-175.00	-180.5									6
-32.00	-34.50									7
-42.75	-45.25									8
-64.50	-71.00									9
-27.00	-28.00									10
-62.50	-67.00			63.20				67.00		11
-1.45	-2.00			1.44	-0.03			2.03		12

256.50 + 66.5 = 323 pips

This column shows "*since-last-referencing*" range in pips.

red: range 100 or above

brown: range is 50 or above till 9.99

dark blue: range less than 50 pips

D	TP	References	Average prices	Average Pips	Net/Lot
5	84.00	24.330	24.312		
5	84.00	29222.90	29217.10	29139.47	-119.37
5	84.00	11823.50	11820.50	11801.34	11843.38
5	84.00	13128.75	13123.75	13023.40	23.91
5	84.00	25384.50	25374.50		17.13
5	84.00	26140.00	26134.00		-63.00
5	84.00	6421.90	6420.10		1188.00
5	84.00	5409.00	5403.80		
5	84.00	7793.50	7787.50		
5	84.00	3441.45	3440.55		
5	84.00	16325.44	16317.54		
5	84.00	24.274	24.240		
5	84.00	1880.03	1870.02		
5	84.00	41.834	41.782		
5	84.00	44.070	44.026		
5	84.0	0.72737	0.72722		
5	84.0	0.68788	0.68768		
5	84.0	1.30788	1.30764		
5	84.0	105.294	105.278		
5	84.0	1.17740	1.17725		
5	84.0	1.61892	1.61866		
5	84.0	1.71193	1.71163		
5	84.0	1.53982	1.53946		
5	84.0	123.964	123.944		
5	84.0	0.89143	0.89120		
5	84.0	1.32098	1.32076		

First column shows average prices of all **buy** positions if any for each pair

Second column shows average prices of all **sell** positions if any for each pair

all these columns fields are non-action click event -- that mean only shows values (output) -- if you click on them or not, **nothing will change**.

They just display values of average prices starting with comment letter. or AVERAGE OF all if you select "ALL"

2) Average Pips

"Average pips" title has two columns showing your profit or loss in pips for each pair for both types buy and sell

first column for buy--second for sell

mathematically, it is the difference b/w current price and average price in pips

Average prices	Average Pips	Net/Lot
29139.47	-93.37	312.00
11801.34	33.54	7.50
13023.40	-45.90	1188.00

3) Net/ Lots

L3	TO	D	TP	References	Average prices	Average Pip	Net/Lot
1	970	5	84.00	24.330	24.312		
1	970	5	84.00	29222.90	29217.10	29139.47	312.00
1	970	5	84.00	11823.50	11820.50	11801.34	-63.00
1	970	5	84.00	13128.75	13123.75	13023.40	-48.15
1	970	5	84.00	25384.50	25374.50		1188.00
1	970	5	84.00	26140.00	26134.00		
1	970	5	84.00	6421.90	6420.10		
1	970	5	84.00	5409.00	5403.80		
1	970	5	84.00	7793.50	7787.50		
1	970	5	84.00	3441.45	3440.55		
1	970	5	84.00	16325.44	16317.54		
1	970	5	84.00	24.274	24.240		
1	970	5	84.00	1880.03	1870.02		

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and the last dashboard column named "NetLots" is for net lots

negative value on brown box: sells lots > buys lots

and the last dashboard column named "NetLots" is for net lots of open position (buys lots minus sell lots)

negative value on brown box: sells lots > buys lots

11- Lots and Spreads

1) Maximum Lots

Maximum Lots allowed is based only on ALL orders opened for ALL (diff from Lot Limiter LL previous section) pairs by expert (does not include orders opened manually or by other experts)

ALL LOTS	MaxLot
412.55	10.00

edit 10 here -- then mouse click on it
check here

open lots are 412.55 lots ---- more than Limit of 10 lots!!!!

MaxLot Box

click here

therefore both boxes will be RED

assume you apply expert to 66 pairs!!

and you want to prevent operation if total lots of opened positions for all these 66 pairs reach some

level--let us say 10 lot.

what should you do!

ans: Feed "**Maximun_Lots**" box with value of 10.

now may EURUSD positions sums up to **3** lots,

USD JPY sums to **2.22** lots,

GBPUSD sums to **4** lots

and assume next expert order on GBPUSD with value of 2 lot.

expert will **reject this value** and **modify it** to a new lower value to ensure that "*max lots not to exceed 10 lots*"

2 lots will be changed to **0.78** lot

$$3 + 2.22 + 4 + 0.78 = 10 \text{ lots}$$

you will choose a value that **suite your balance!** and are convinient to your risk tolerance.

the program default value is almsot infinity "Big Number = 10000 Lots"

to change this value just type in edit field, then click again on edit value--to memorize it. then click on "MaxLot" box--you will see new value inside the box.

2) UP/ Down Arrows

do you want to see these price-movement indicators or not?

just click on "x" or "x" to activate deactivate.

Gray-Background -- arrows ON

Similar to ask or bid fields colOr--- arrows OFF

Pairs	d	ASK	SPD	BID	BL	SL
AUDCAD		0.97094	7.5	0.97019		
AUDCHF		0.66913	8.8			
AUDJPY		77.938	4.7			
AUDNZD		1.06784	7.5			
AUDUSD		0.75193	3.3			
CADCHF		0.68954	10.8			
CADJPY		80.303	5.0	80.253		
CHFJPY		116.571	10.8	116.463		
EURAUD		1.61859	10.3	1.61756		
EURCAD		1.57104	14.2	1.56962		
EURCHF		1.08258	12.0	1.08138		
EURGBP		0.91110	5.8	0.91052		
EURJPY		126.088	5.2	126.036		
EURNZD		1.72810	19.0	1.72620		
EURUSD		1.21651	3.1	1.21620		
GBPAUD		1.77762	20.3	1.77559		
GBPCAD		1.72547	23.6	1.72311		
GBPCHE		1.18908	23.0	1.18678		
GBPJPY		138.478	10.9	138.369		
GBPNZD		1.89797	24.1	1.89556		
GBPUSD		1.33603	7.0	1.33533		

3) Spread Limited (SPL)

Reject orders if spread is widening beyond our "**SPREAD LIMITER**"  (new version)

SL=10000 Pipette
= almost no limit

Margin level: 84.20%

454554	454554	ALL LOTS 84.95	454554.00	43	ALL	ADD	ROC	D 100																	
40 Terminal	PipValue 8.11577	NET LOTS 80.15	SL: 10000	NR	RMV	RD	D=1																		
N	RUB	SEK	SGD	TRY	ZAR	STOCKS	Market Watch	EXCEL	USER	NON 28	CUR	CLOSED	CH	METALS	XAG										
100	250	500	1000	2500	MaxOrders: unlimited					EXCEL_1 PAIRS					SM-1										
25	C	R	S1	E1	S2	E2	x1000	x100	x10	/10	/100	-	101	111	102	121	ON	SEND							
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	250	500	750	1000	2000	2500	5000
83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108
e	f	g	h	i	j	k	l	m	n	o	p	q													
HK50Roll NR SL 005 0026244.50															MD: Repeat										
ASK	BL	SL	BS	SS	O	D	W																		
24.307					2.50	2.50																			
29552.40					2.50	2.50																			
11621.12					2.50	2.50																			
13209.75					2.50	2.50																			
25439.50					2.50	2.50																			
26261.00					2.50	2.50																			
6462.40					2.50	2.50																			
5450.10					2.50	2.50																			
7780.50					2.50	2.50																			
3452.95					2.50	2.50																			
16410.51					2.50	2.50																			
24.246					2.50	2.50																			
1877.35					2.50	2.50																			
42.758					2.50	2.50																			
													0.01	0.01	inf	1	1	1	20	5	100.00	42.5			

"Spread Limiter Box"

usually spread of EURUSD is about 1.6 pips!

tell expert to avoid opening positions on this pair if entry conditions are satisfied when spread is 5.0 pips

it is 5.0 not 5 -- we say **"five point zero"** <----- very important here

SL is **S**pread**L**imiter not **S**top**L**oss

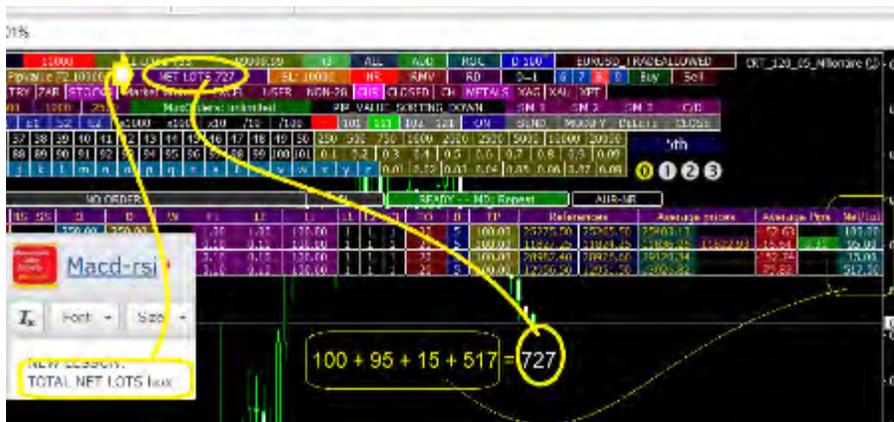
#S	GAP	P/L USD	Pairs	BID	SPD	ASK	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	T
1	0.94		1	SIZO	24.237	24.255					2.50	2.50		0.01	0.01	inf	1	1	1	2
	81.50	-9867.3	2	US30Roll	29552.10	2.80	9554.90				2.50	2.50		0.10	0.10	inf	1	1	1	2
12	51.63	-10.22	3	UT100Roll	11652.62	1.00	1653.62				2.50	2.50		0.10	0.10	inf	1	1	1	2
5	49.50	18.94	4	DE30Roll	13212.25	1.00	3212.25				2.50	2.50		0.10	0.10	inf	1	1	1	2
4	80.00	-0.16	5	JP225Roll	25489.50	10.00	25489.50				2.50	2.50		1.00	1.00	inf	1	1	1	2
11	39.00	-44.04	6	HK50Roll	26247.50	6.00	26247.50				2.50	2.50		0.10	0.10	inf	1	1	1	2
1	15.00	-0.86	7	AUS200Roll	6461.60	4.80	6461.60				2.50	2.50		0.10	0.10	inf	1	1	1	2
	24.75	11.21	8	FRA40Roll	5438.90	1.20	5438.90				2.50	2.50		0.10	0.10	inf	1	1	1	2
3	56.00	52.57	9	ESP35Roll	7734.50	6.00	7734.50				2.50	2.50		0.10	0.10	inf	1	1	1	2
1	12.00	1.45	10	EU50Roll	3449.05	6.00	3449.05				2.50	2.50		0.10	0.10	inf	1	1	1	2
6	29.90	-173.8	11	CHINA50Ro	16431.41	8.20	16431.41				2.50	2.50		0.10	0.10	inf	1	1	1	2
	0.94		12	XAGUSD	24.173	0.25	24.198				2.50	2.50		0.01	0.01	inf	1	1	1	2
	2.79		13	XAUUSD	1877.26	0.26	1877.52				2.50	2.50		0.01	0.01	inf	1	1	1	2
	1.88		14	USOILRo	42.666	0.33	42.699				2.50	2.50		0.01	0.01	inf	6	1	1	2
	2.11		15	UKOILRo	44.820	0.30	44.850				2.50	2.50		0.01	0.01	inf	1	1	1	2
	7.0	-0.01	16	AUDUSD	0.72890	1.8	0.72908				2.5	2.5		0.01	0.01	inf	1	1	1	2
	11.9	-0.79	17	NZDUSD	0.68740	2.1	0.68761				2.5	2.5		0.01	0.01	inf	1	1	1	2
4	12.4	0.14	18	USDCAD	1.30521	1.8	1.30539				2.5	2.5	18.0	0.01	0.01	inf	1	1	1	2
2	11.6	-1.24	19	USDJPY	105.466	1.5	105.481				2.5	2.5		0.01	0.01	inf	1	1	1	2
	11.7	-0.67	20	EURUSD	1.17916	1.4	1.17930				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	9.6	0.01	21	EURAUD	1.61747	2.8	1.61775				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	21.7	-0.91	22	EURNZD	1.71504	3.8	1.71542				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	12.5	-0.13	23	EURCAD	1.53904	3.8	1.53942				2.5	2.5		0.01	0.01	inf	1	1	1	2
	10.4		24	EURJPY	124.368	2.1	124.389				2.5	2.5		0.01	0.01	inf	1	1	1	2
	3.7		25	EURGBP	0.88767	2.5	0.88792				2.5	2.5		0.01	0.01	inf	1	1	1	2
	12.8	-1.45	26	GBPUSD	1.32811	2.6	1.32837				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	13.7	-0.3	27	GBPAUD	1.82177	5.3	1.82230				2.5	2.5		0.01	0.01	inf	1	1	1	2
3	28.4	-2.51	28	GBP NZD	1.93169	5.9	1.93228				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	15.5	-0.21	29	GBP CAD	1.73349	5.2	1.73401				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	12.4	-0.03	30	GBP JPY	140.080	2.8	140.108				2.5	2.5		0.01	0.01	inf	1	1	1	2
	13.0		31	AUD NZD	1.06019	3.2	1.06051				2.5	2.5		0.01	0.01	inf	1	1	1	2
1	7.4	0.09	32	AUD CAD	0.95138	2.6	0.95164				2.5	2.5		0.01	0.01	inf	1	1	1	2
	10.6	-0.49	33	NZD CAD	0.89724	3.0	0.89754				2.5	2.5		0.01	0.01	inf	1	1	1	2
6	25.15	-0.7	34	USDMXN	20.30400	14.41	20.30400				2.50	2.50		0.01	0.01	inf	1	1	1	2
1	27.44	-6.33	35	EURMXN	23.94187	19.23	23.94187				2.50	2.50		0.01	0.01	inf	1	1	1	2
4	22.20	0.78	36	USDZAR	15.60738	15.81	15.60738				2.50	2.50		0.01	0.01	inf	1	1	1	2

The color of spread box **of each pair** will determine if trading on that pair is allowed or not to to spread limit restriction!

if pair spread box is Red--trade is prohibited temporarily until spread be within limits while if spread box is Black , it is normal

below we let SL=100 Pipette = 10 pips or 1 pip(depend on the pair) -- therefore any pair with spread higher than 10---Trade is blocked!

4) Total Net Lots Box



5) Current Pip Value -> Total Pip Value (TPV)

Updated version:

TPV: Total PipValue, MCP: Margin Call Pips, ML, Free Margin (Refer to the other chapters)

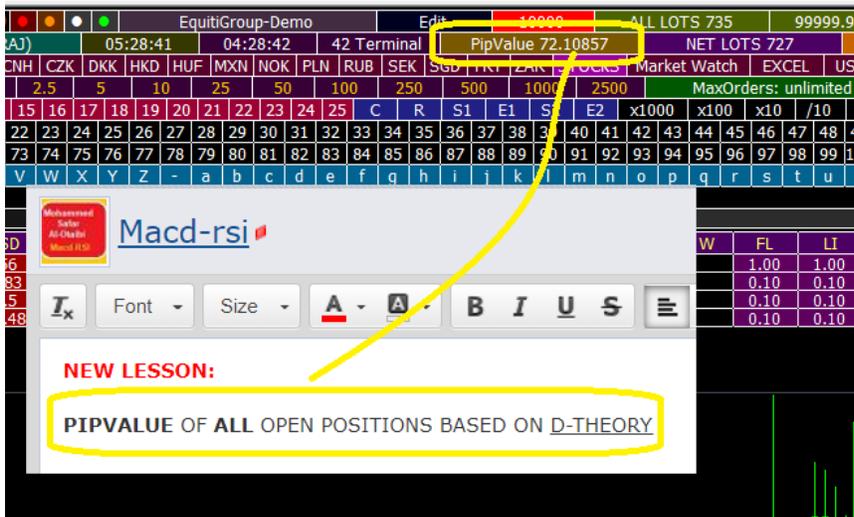


Old Version: See Mathematical Cal Boxes > TPV

pipvalue of all open positions based on d-theory

It depends on net lots (for positions entered **by expert**) at that period.

if you want pipValue for all positions click on **ALL** box as explained earlier.



12- Lots Design Configurations (L1/L2/L3)

%	W	R	Broker Max Orders:			
100	-	101	111	102	121	S 0.0
50	250	500	750	1000	2000	

Types of Configurations

- 1) Unified lots for all orders (101) = (1,1,1,1,1, ..)
- 2) Graded lots for all orders (111) = (1,2,3,4,5,6,7,.....)
- 3) Doubled lots for all orders (102) = (1,2,4,8,16,.....)
- 4) Custom lot design criterion = xxx (L1/L2/L3 accepts values from 1-9, only L2 accepts 0)

it is not logical for L1 and L3 to be 0 -- so programm will reject this value--you can not put them 0 , even if you intentionally try.

therefore there are 999 possible lot designs.

assume **Ladder=1**;

and

FL = 0.01 lot -----(first order lot)

and

LI=0.01 lot -----(lot increment)

1) Unified lots (101) = (1,1,1,1,1, ..)

if we use **101** configurations, first five orders lots will be as follow: (**101 = unified**)

order #1: 0.01 lot

order #2: 0.01 lot

order #3: 0.01 lot

order #4: 0.01 lot

order #5: 0.01 lot

each new order = previous order

2) Graded lots (111) = (1,2,3,4,5,6,7,.....)

if we use **111** configurations, first five orders lots will be as follow: (**111 = graded**)

order #1: 0.01 lot

order #2: 0.02 lot

order #3: 0.03 lot

order #4: 0.04 lot

order #5: 0.05 lot

each new order is incremented by LI lots added to previous immediate order lots.

3) Double lots (102) = (1,2,4,8,16,.....)

and if we use **102** configurations, first five orders lots will be as follow: (**102 = doubled**)

order #1: 0.01 lot

order #2: 0.02 lot

order #3: 0.04 lot

order #4: 0.08 lot

order #5: 0.16 lot

each new order is double of previous immediate order.

4) 1-2-1 lots (121) = (1,2,5,7,9,11,13,

5) Custom lot configuration

```

11 if (VRS_BI(i)=="R5")
12 {
13     if (K_UL[i]<TOPPED[i] && price_ASK[i]>0.00 && MarketInfo(pairs[i],MODE_ASK)>0.0 && MarketInfo(pairs[i],MODE_BID)>0.0)
14     {
15         if (!IsConnected() || !IsExpertEnabled() || !IsTradesAllowed() || IsStopped()) break;
16         PS=K_UL[i]*(DiffPips[i]*WidePips[i]*R_UL[i]-1)/2.0+Offset[i];
17         double RPRTCRR=price_ASK[i]-PS*MarketInfo(pairs[i],MODE_POINT);
18         if (MarketInfo(pairs[i],MODE_ASK)<=RPRTCRR)
19         {
20             int LL=K_UL[i]/Ladder[i];
21             LOCK=(FirstLot[i]+Increment[i]*LL)*Multiplier_2[i]*Multiplier_1[i]*MathPow(Multiplier_3[i],LL);
22             int n=0;
23             double ppxn=RPRTCRR;
24             LOT_LL(i)=BL_LotsPairLimiter[i];
25             if (LL_LotsPairLimiter[i]<LotsLimiter[i])
26             {
27                 (integerof( #O / Ladder ))
28                 Lot = ( FirstLot + LotIncrement * integerof( #O / Ladder ) * L2 ) * L1 * L3
29                 LOCK=LOCK+L1*(1-LOT_LL(i));
30                 BL_LotsPairLimiter[i]=LotsLimiter[i];
31             }
32             if (ALL_LOTS<LOCK*ONLY_ACCOUNT_LOTS)

```

Assume we adopt 325 (= 3-2-5) configuration ==> L1=3, L2=2, L3=5
and FL=LI=0.01;

What is the first **three** order lots (assume ladder = 1) upon last equation?
#O = 1 then 2 then 3 (= first order then second order then third order)

will be updated come back after 1 min

#1 order is: **Lots1** = $(0.01 + 0.01 * \text{int}(0/1) * 2) * 3 * 5^{\text{int}(0/1)} = (0.01 + 0.01 * 0 * 2) * 3 * 5^0 = (0.01 + 0) * 3 * 1 = \mathbf{0.03 \text{ lot}}$

#2 order is: **Lots2** = $(0.01 + 0.01 * \text{int}(1/1) * 2) * 3 * 5^{\text{int}(1/1)} = (0.01 + 0.01 * 1 * 2) * 3 * 5^1 = (0.01 + 0.02) * 3 * 5 = \mathbf{0.45 \text{ lot}}$

#3 order is: **Lots3** = $(0.01 + 0.01 * \text{int}(2/1) * 2) * 3 * 5^{\text{int}(2/1)} = (0.01 + 0.01 * 2 * 2) * 3 * 5^2 = (0.01 + 0.04) * 3 * 25 = \mathbf{3.75 \text{ lot}}$

do you see 325 config: 0.03--->0.45--->3.75
great jump in lots for each new order

hence 325 is **not** a number.

It is just a three digits beside each others 😊
325=3-2-5 ==> L1L2L3

a) Proof of Concept – Graded Lots 111

proof config **111=1-1-1** -- graded orders?? why graded?
ans: equation give thar: 0.01 then 0.02 then 0.03 etc....

proof:

L=LI=0.01 Lots-----Ladder=1----- L1L2L3=**111=1-1-1** ==> L1=1, L2=1, L3=1;
starting of numbering order from 0; #O = 0, then =1, then =2 etc...

Order#1: $\text{lot1} = (0.01 + 0.01 * \text{int}(0/1) * 1) * 1 * 1^{\text{int}(0/1)} = (0.01 + 0.00) * 1 * 1^0 = 0.01 * 1 = \mathbf{0.01}$

Order#2: $\text{lot2} = (0.01 + 0.01 * \text{int}(1/1) * 1) * 1 * 1^{\text{int}(1/1)} = (0.01 + 0.01) * 1 * 1^1 = 0.02 * 1 = \mathbf{0.02}$

Order#3: $lot3=(0.01+0.01*\text{int}(2/1)*1)*1*1^{\text{int}(2/1)} = (0.01+0.02)*1*1^{(2)} = 0.03*1 = \mathbf{0.03}$
 Order#4: $lot4=(0.01+0.01*\text{int}(3/1)*1)*1*1^{\text{int}(3/1)} = (0.01+0.03)*1*1^{(3)} = 0.04*1 = \mathbf{0.04}$
 Order#5: $lot5=(0.01+0.01*\text{int}(4/1)*1)*1*1^{\text{int}(4/1)} = (0.01+0.04)*1*1^{(4)} = 0.05*1 = \mathbf{0.05}$
 Order#6: $lot6=(0.01+0.01*\text{int}(5/1)*1)*1*1^{\text{int}(5/1)} = (0.01+0.05)*1*1^{(5)} = 0.06*1 = \mathbf{0.06}$
 Order#7: $lot7=(0.01+0.01*\text{int}(6/1)*1)*1*1^{\text{int}(6/1)} = (0.01+0.06)*1*1^{(6)} = 0.07*1 = \mathbf{0.07}$

look how it was incremented each time by 0.01 lot (LI=0.01)

b) Proof of Concept – Double Lots 102

Why config **102** result in double lots each time? even though we are using the same equation. ??

answer:

rule is:

Lotsx = (FL+LI*int(#O/Ladder)*L2)*L1*L3^{int(#O/Ladder)}

FL=LI=0.01 Lots-----Ladder=1----- L1L2L3=102=1-0-2 ==> L1=1, L2=0, L3=2;
 starting of numbering order from 0; #O = 0, then =1, then =2 etc...

Order#1: $lot1=(0.01+0.01*\text{int}(0/1)*0)*1*2^{\text{int}(0/1)} = (0.01+0)*1*2^{(0)} = 0.01*1 = \mathbf{0.01}$
 Order#2: $lot2=(0.01+0.01*\text{int}(1/1)*0)*1*2^{\text{int}(1/1)} = (0.01+0)*1*2^{(1)} = 0.01*2 = \mathbf{0.02}$
 Order#3: $lot3=(0.01+0.01*\text{int}(2/1)*0)*1*2^{\text{int}(2/1)} = (0.01+0)*1*2^{(2)} = 0.01*4 = \mathbf{0.04}$
 Order#4: $lot4=(0.01+0.01*\text{int}(3/1)*0)*1*2^{\text{int}(3/1)} = (0.01+0)*1*2^{(3)} = 0.01*8 = \mathbf{0.08}$
 Order#5: $lot5=(0.01+0.01*\text{int}(4/1)*0)*1*2^{\text{int}(4/1)} = (0.01+0)*1*2^{(4)} = 0.01*16 = \mathbf{0.16}$
 Order#6: $lot6=(0.01+0.01*\text{int}(5/1)*0)*1*2^{\text{int}(5/1)} = (0.01+0)*1*2^{(5)} = 0.01*32 = \mathbf{0.32}$
 Order#7: $lot7=(0.01+0.01*\text{int}(6/1)*0)*1*2^{\text{int}(6/1)} = (0.01+0)*1*2^{(6)} = 0.01*64 = \mathbf{0.64}$

double each time

Order#1: $lot1=(0.01+0.01*\text{int}(0/1)*0)*1*2^{\text{int}(0/1)} = (0.01+0)*1*2^{(0)} = 0.01*1 = \mathbf{0.01}$

c) Proof of Concept – Double Lots 121

121-CONFIGURATION:

we expect expert to place order lots in the following manner assuming ladder=1, FL=0.01=LI

Order#1: $lot1=(0.01+0.01*\text{int}(0/1)*2)*1*1^{\text{int}(0/1)} = (0.01+0.00)*1*1^{(0)} = 0.01*1 = \mathbf{0.01}$
 Order#2: $lot2=(0.01+0.01*\text{int}(1/1)*2)*1*1^{\text{int}(1/1)} = (0.01+0.02)*1*1^{(1)} = 0.03*1 = \mathbf{0.02}$
 Order#3: $lot3=(0.01+0.01*\text{int}(2/1)*2)*1*1^{\text{int}(2/1)} = (0.01+0.04)*1*1^{(2)} = 0.05*1 = \mathbf{0.05}$
 Order#4: $lot4=(0.01+0.01*\text{int}(3/1)*2)*1*1^{\text{int}(3/1)} = (0.01+0.06)*1*1^{(3)} = 0.07*1 = \mathbf{0.07}$
 Order#5: $lot5=(0.01+0.01*\text{int}(4/1)*2)*1*1^{\text{int}(4/1)} = (0.01+0.08)*1*1^{(4)} = 0.09*1 = \mathbf{0.09}$
 Order#6: $lot6=(0.01+0.01*\text{int}(5/1)*2)*1*1^{\text{int}(5/1)} = (0.01+0.10)*1*1^{(5)} = 0.11*1 = \mathbf{0.11}$
 Order#7: $lot7=(0.01+0.01*\text{int}(6/1)*2)*1*1^{\text{int}(6/1)} = (0.01+0.12)*1*1^{(6)} = 0.13*1 = \mathbf{0.13}$

6) Other ways for Lot Increments

a) 3 ways to configure for no Lot Increments

#Post 2249

There are three cases, lots will be unified, but the **best** of them is 101

below: all three cases for all 33 orders. lots of each order will be 0.01 --- **no increment** here.

#	Pairs	d	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	EURUSD	1.21155	1.5	1.21140						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
2	GBPUSD	1.33577	2.6	1.33551						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
3	AUDUSD	0.74251	1.7	0.74234						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
4	NZDUSD	0.70374	2.2	0.70352						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
5	USDCAD	1.27908	2.2	1.27886						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
6	USDCHF	0.89110	2.2	0.89088						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0
7	USDJPY	104.042	1.6	104.026						50.0	50.0		0.01	0.01	9999.00	1	1	1	33	33	85.0

or

#	Pairs	d	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	EURUSD	1.21155	1.6	1.21139						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0
2	GBPUSD	1.33535	2.4	1.33511						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0
3	AUDUSD	0.74245	1.6	0.74229						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0
4	NZDUSD	0.70372	2.2	0.70350						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0
5	USDCAD	1.27911	2.1	1.27890						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0
6	USDCHF	0.89110	2.2	0.89088						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0
7	USDJPY	104.043	1.5	104.028						50.0	50.0		0.01	0.01	9999.00	1			33	2	85.0

or

#	Pairs	d	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	EURUSD	1.21148	1.5	1.21133						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
2	GBPUSD	1.33537	2.5	1.33512						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
3	AUDUSD	0.74242	1.6	0.74226						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
4	NZDUSD	0.70361	2.2	0.70339						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
5	USDCAD	1.27920	2.2	1.27898						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
6	USDCHF	0.89118	2.2	0.89096						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0
7	USDJPY	104.046	1.4	104.032						50.0	50.0		0.01		9999.00	1	9	1	33	2	85.0

L2 no effect in this case what ever its value

in the rule for third case since LI=0

$LI * L2 = 0 * 9 = 0$ whatever the value of L2. ==> 0: no increment

13- Smart Order Concept

SMART EXPERT

This expert is many experts with one expert!

up to now we speak about ordinary expert (normal--not smart)

1) ONE TIME

a) Hidden Take Profit



Red: Hidden Take Profit

Green: Show Take Profit

here we ignore placing TP (TakeProfit)---Hidden Take Profit

when any order is executed you will notice TP = 0.00000 (NO TAKE PROFIT)

BROKER CAN NOT SEE YOUR TAKE PROFIT

but in your mind you know any position will be closed after profit of 100 PIPS
that is smart-- but what is more smarter is to repeat placing order as pending order at prev entry price when the order is closed automatically at predefined TP.

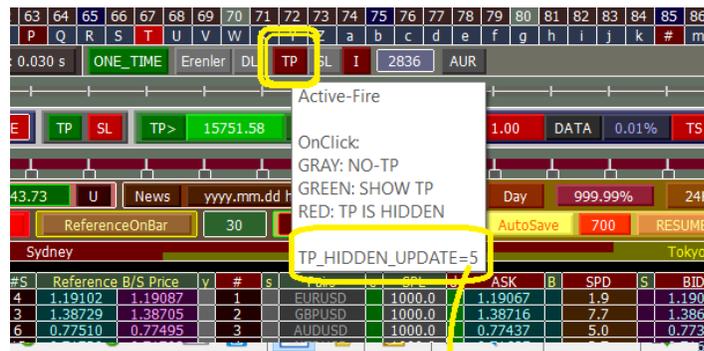
How to revoke **SmartExpert**?

ans: simply click on > > > later

i) Hidden Take Profit Timer

you will find your default value under tooltip of TP button
this timer make expert more **lighter** during orders executions.
instead of iteration each 1 sec, it check each 5 seconds.

you may see now TP is above your target, but the order is not closed. reason: waiting for closing time.

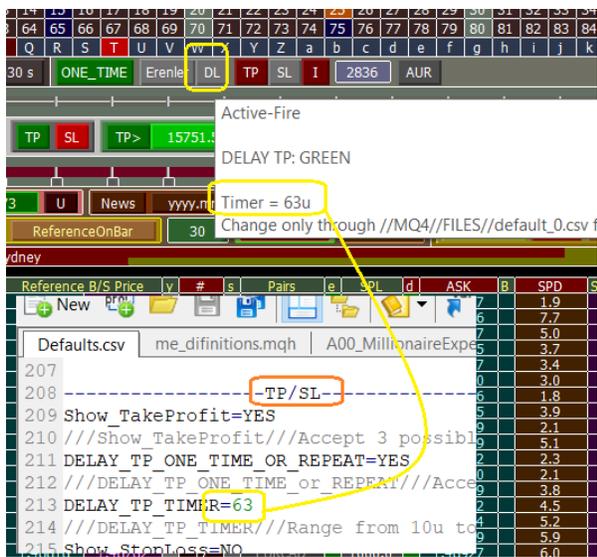


The screenshot shows a trading platform interface with a tooltip for the TP button. The tooltip text is: "Active-Fire", "OnClick:", "GRAY: NO-TP", "GREEN: SHOW TP", "RED: TP IS HIDDEN", and "TP_HIDDEN_UPDATE=5". A yellow box highlights the TP button and the tooltip text. Below the interface is a code editor showing the following code:

```
Defaults.csv | me_definitions.mqh | A00_MillionaireExpert.mq4 | me_TP_SL_SMART.mqh
234 ///CLOSE_ORDERS_TRIALS range 1 to 7
235 DELETE_ORDERS_TRIALS=3
236 ///DELETE_ORDERS_TRIALS range 1 to 5
237 TP_MULTIPLIER_IN_REPEAT_MODE=2
238 ///TP_MULTIPLIER_IN_REPEAT_MODE range 1.25% to 8.00
239 TP_HIDDEN_TIMER_UPDATE=5
240 ///TP_HIDDEN_TIMER_UPDATE for REPEAT and ONE_TIME//Range
241
242 -----Chart Settings (AFTER EXPERT REMOVAL)-----
243 CCHART COLOR BACKGROUND=C'0,0,0'
```

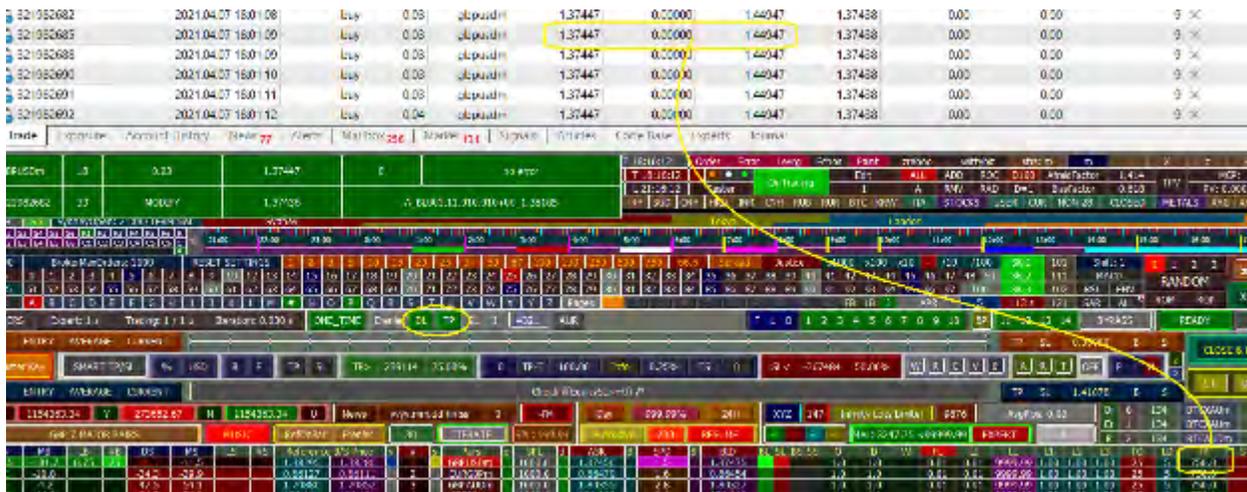
b) Delay TP Timer

you will find your default value under tooltip of DL button



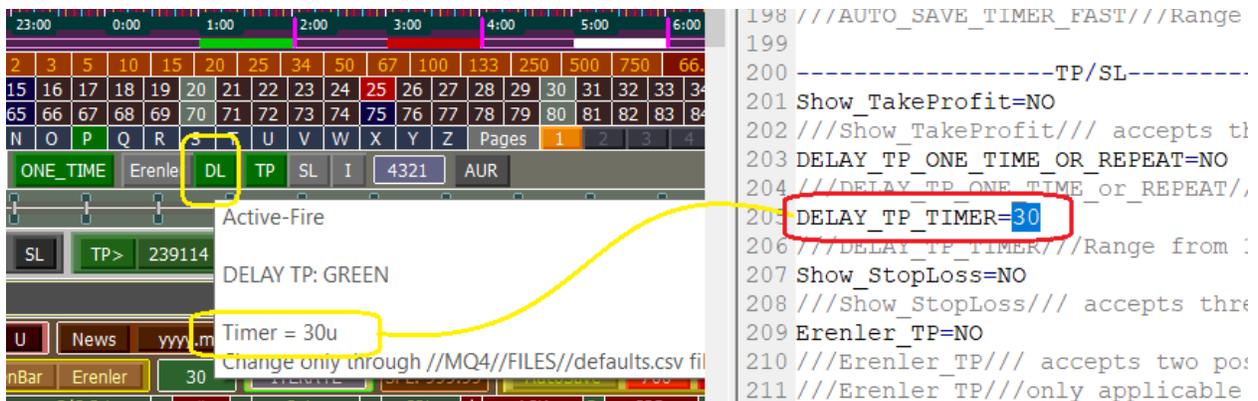
Post #7431

do not forget to activate DL to be green
 the timer of DL you can set in defaults file



DL searches for 0.0000 TP orders and change it according to TP in dashboard for all **ARRAY** pairs

look at tooltips of DL
 the value there is 30u
 it is your value--not my value, not expert default value
 you who set it at 30 u--since you make it in default 30



therefore each 30u (30 seconds if expert timer is 1 sec --- or 60 seconds if expert timer is 2 -- $2 \times 30 = 60$) the expert will check for 0.0000 TP and filled it with non-zero TP

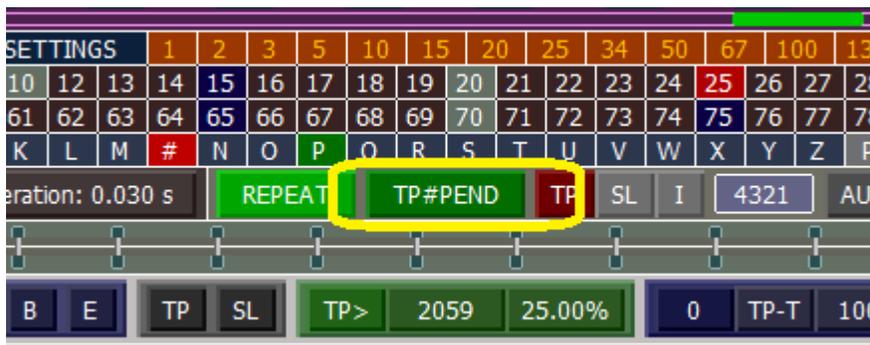
therefore each 30u updates the expert will check for 0.0000 TP and filled it with non-zero TP for the array

array = pairs shown on dashboard --- that mean it does not include other pairs with open positions if not shown on the dashboard

2) REPEAT MODE

IF YOU REMEMBER OLD BUTTON "SHOW"

replaced by this button for repeated pending orders SL or TP or both



now it is active-fire button

be careful

always GREEN-TP under **repeat**-mode is **different** from GREEN-TP under **one-time** mode.

and they should not be the same

for repeat mode if TP color is green or brown, always there is HIDDEN-TP

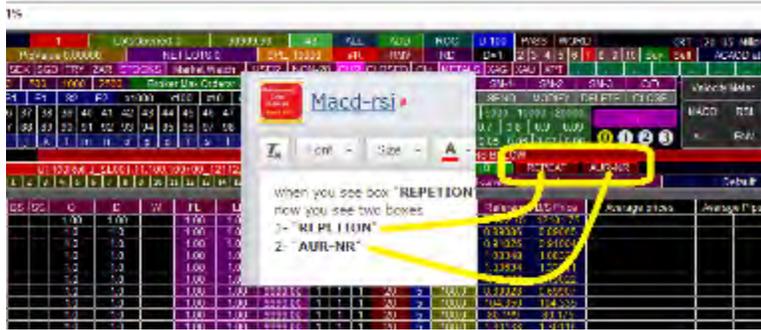
but green is hidden TP+show doubled TP

in brown: no TP is shown

therefore it is **impossible and against common sense** to have **Gray-color TP** under **repeat** mode

a) AUR - Repeat order

i) Repeat Order Concept

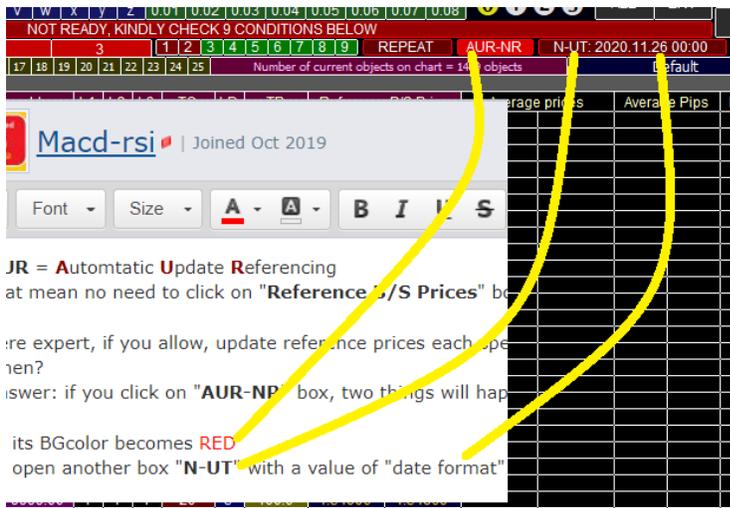


when you see box "REPETITION" -- you must see in the right another box named "AUR-NR" -- now you see two boxes

1- "REPETITION"

2- "AUR-NR" -- Brown BGColor

BG = BackGround



AUR = Automtatic Update Referencing

that mean no need to click on "Reference B/S Prices" box -- or "BAR_REFRENCING" box, by your mouse

here expert, if you allow, update reference prices each specific intervl of time. when?

answer: if you click on "AUR-NR" box, two things will happen:

1- its BGcolor becomes RED

2- open another box "N-UT" with a value of "date format"

"N-UT" = Next UpdateTIME

focus: here expert check chart frame:

-if it is daily choose next daily bar time--- then-- when time reaches this point, change refrence

prices to ASKs and BIDs, at the opening of new **day** bar.
 today 25.11.2020, so you see on picture next UpdateTime at 26.11.2020

-if it is **H4** choose next **H4** bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new **H4** candle then **copy-paste**:

-if it is **H1** choose next **H1** bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new **H1** candle

-if it is **M1** choose next **M1** bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new M1 candle

-if it is **WEEKLY** choose next **WEEKLY** bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new WEEKLY candle

-if it is **M30** choose next **m30** bar time--- then-- when time reaches this point, change reference prices to ASKs and BIDs, at the opening of new m30 candle

and so on

Terminal time now is 18:34:54
 then the time of next bar on frame M15 will be at 18:45:00
 expert automatically detect it then end it here

now assume you select time frame M15, == you by mouse change ChartFrame to M15:
 expert now knows ChartPeriod = M15

and check current terminalTime

then look for the opening time of the next M15 candles

then stored as a N-UT

That mean update will tak place == replace old reference prices by new ones "ASKs and BIDs" of M15, for all pairs.

picture is very clear (above)

answer: close and delete all prev orders either hash orders or manual entry orders!!!! clean terminal!
 then update refs, and **start new trading period**

ii) Repeat Order Comments

OrderComment of SmartExpert positions will start with TWO letters "**NR#R**" instead of "J_" or what else!

hence EURUSD for example may get entry at 1.1800 three times (entry-close-entry-close-entry)
 assume ur TP = 10 pips

entry at 1.1800 -- then position is closed ar 1.1810

instantly after closing, SmartE will place pending order at 1.1800 gain
 if price drop to it, it will be executed.

is price reach 1.1810 again, it will be closed. and will put another pending position for 3rd time
 and so on >

SmartExpert;

look at highleted position on pict.

close and repeat at the same moment!

repetition could continue **for ever** if you are very lucky and market fluctuate sharpaly in a horizontal channel

The screenshot shows a trading terminal with two windows. The top window displays a list of orders with columns: Order, Time, Type, Size, Symbol, Price, T/P, T/P, Price, Commission, Swap, Profit, and Comment. Several orders are highlighted with red boxes. One order is labeled "first repeat" and another "original order". A blue arrow points to a comment "done at the same time". The bottom window shows a chart with a red box around the "Original position entry time" and a blue box around the "done at the same time" comment.

if the first pending repeated order is executed then after some time is closed at predefined TP, it will be repeated as a pending order again but now OrderComment will end with "**002**" = 2nd repition.

always repeated order is identical to the original order in volume(Lots) and entry price.

entry price or order "price set" is shown in OrderComment

1:08:56	sell	2.00	us30roll	29258.60	0.00	0.00	29291.40	0.00	0.00	-3280	X	NR_SS_001_0029258.60_0009_000
1:10:06	sell	2.00	us30roll	29263.60	0.00	0.00	29291.40	0.00	0.00	-2780	X	NR_SS_001_0029263.60_0009_000
1:11:28	sell	2.00	us30roll	29271.10	0.00	0.00	29291.40	0.00	0.00	-2030	X	NR_SS_001_0029271.10_0009_000
1:11:58	sell	3.00	us30roll	29277.60	0.00	0.00	29291.40	0.00	0.00	-1380	X	NR_SS_001_0029277.60_0009_000 #21
1:12:00	sell	3.00	us30roll	29280.60	0.00	0.00	29291.40	0.00	0.00	-1080	X	NR_SS_001_0029280.60_0009_000
1:12:05	sell	3.00	us30roll	29284.60	0.00	0.00	29291.40	0.00	0.00	-680	X	NR_SS_001_0029284.60_0009_000

if the first pending repeated order is executed then after so
 OrderComment will end with "002" = 2nd repetition.
 always repeated order is identical to the original order in v
 entry price or order "price set" is shown in OrderComment

somtimes it was executed at better prices due to market slippages, but when repeated will be done at OrdRcomment setPrice.

Post 7434

some friend notify me about this:

Hash # orders

repeated **PENDING** orders-TP is not shown--even if TP-SHOW are green--it must be shown double or tripple of actual hidden TP as explained in detail.
 iy only show for **OpenOrders**---not **PendingOrders**

Order	Time	Type	Size	Symbol	Price	S/L	T/P	Price	Profit
Balance: 286,577.23 USD Equity: 252,988.81 Margin: 82,631.39 Free margin: 170,357.42 Margin level: 306.17% -33,588.42									
321995373	2021.04.07 18:55:59	sell limit	1.00	btcaudm	73731.2	0.0	0.0	73244.8	X
321995087	2021.04.07 18:54:46	sell limit	1.00	btcaudm	73756.2	0.0	0.0	73244.8	X
321995029	2021.04.07 18:54:31	sell limit	1.00	btcaudm	73781.2	0.0	0.0	73244.8	X
321995031	2021.04.07 18:54:31	sell limit	1.00	btcaudm	73781.2	0.0	0.0	73244.8	X

b) TP Multiplier in Repeat Mode

ToughQuiz: TP_MULTIPLIER_IN_REPEAT_MODE

for [sacredragon-phuclocbs-erenler](#)

what is the value i choose for TP_MULTIPLIER_IN_REPEAT_MODE in **defaults.csv** value, that make TP as shown below:

322000855	2021.04.07 19:13:15	buy	0.01	gbpauadm	1.80505	0.00000	1.83645	1.80480	-25	X	#_BL_003_00001.80528_000
322000863	2021.04.07 19:13:18	buy	0.01	gbpauadm	1.80506	0.00000	1.83646	1.80480	-26	X	#_BL_003_00001.80518_000
322000866	2021.04.07 19:13:19	buy	0.01	gbpauadm	1.80506	0.00000	1.83646	1.80480	-26	X	#_BL_003_00001.80508_000

Balance: 211,174.59 USD Equity: 211,173.01 Margin: 96.11 Free margin: 211,076.90 Margin level: 219715.32% -1.58

Trade Exposure Account History News 77 Alerts Mailbox 256 Market 131 Signals Articles Code Base Experts Journal

846x554(DPI=120) 1000 Chinch's Key GMT 19:13:31 Order Error Levrg Echos Paint zreboo wittybyz str: m m X c
 3 COMPARATOR ForexFactory.com/Mac-rsi A64 MillionaireExpert L 22:13:31 Tester OnTrading Edit ALL ADD ROC D100 AfraidFactor 1.414 TPV MCI
 10 SY_XOFFSET A64 MillionaireExpert L 22:13:31 Tester OnTrading Edit ALL ADD ROC D100 AfraidFactor 1.414 TPV MCI
 EUR GBP AUD NZD USD CAD CHF JPY SEC NOK SEK ZAR MXN TRY SGD CNY HKD INR CNH RUB RUR BTC KRW TIA STOCKS USER CUR NON-28 CLOSED METALS XAG
 Sydney Tokyo London
 22:00 23:00 0:00 1:00 2:00 3:00 4:00 5:00 6:00 7:00 8:00 9:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00
 NG5 1 2 3 5 10 15 20 25 34 50 67 100 133 250 500 750 66.6 Spread Justice x1000 x100 x10 - /10 /100 SK-1 101 Shift: 1 0 1 2 3
 2 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 47 48 50 SK-2 111 MACD RANDOM
 2 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 97 100 SK-3 102 RSI ENV ROM ROP
 M # N O P Q R S T U V W X Y Z Pag 5 59 s 121 SAR ALL
 0.030 s REPEAT SHOW TP SL I 4321 AUR
 E TP SL TP> 72166 25.00% 0 TP-T 100.0
 306.32 U News yyyy.mm.dd hh:ss 0 -FM
 RefOnBar Erenler 30 ITERATE SPL: 999.99 Autosave 700 RESUME MAL: 0.07 <99999.99 EXPERT 0
 #S Reference B/S Price V # s Pairs e SPL d ASK B SPD S BID BL BS SS O D W FL L1 L2 L3 TO LN TP
 1.37310 1.37302 1 GBPUSDm 1000.0 1.37309 0.8 1.37301 1.0 1.0 0.01 0.01 9999.99 1.00 1.00 1.00 25 5 100.0
 0.86408 0.86392 2 EURGBPm 1000.0 0.86418 1.6 0.86402 1.0 1.0 0.01 0.01 9999.99 1.00 1.00 1.00 25 5 100.0
 1.80538 1.80510 3 GBP AUDm 1000.0 1.80508 2.8 1.80480 1.0 1.0 0.01 0.01 9999.99 1.00 1.00 1.00 25 5 100.0
 150.841 150.821 4 GBPJPYm 1000.0 150.826 2.0 150.806 1.0 1.0 0.01 0.01 9999.99 1.00 1.00 1.00 25 5 100.0

yes

i set it at 3.14, therefore shwn TP is 3.14 multiple of what is shown on dashboard.

3) AUR – One time order

we eliminate year, and converted month to text, "**Feb**" instead of "**2**"

I guess it is better for the user!

Iteration Timer 0.000 s OneTime TP SL AUR 20 Feb 02:09 C/D HA DEL CLS

REPEAT TP SL AUR 20 Feb 02:10 C/D HA DEL CLS

Now referencing automatically on chartFrame **AUR** is available for **ONE-TIME** mode also,

a) Scenarios

in picture **index** is letter "**Z**"

and **OrderMagicNumber** was **previously** set to value "**YES**"

zreboo: i want expert each new REF to close/delete only orders with index **Z** and MagicNumber **2836** and leave anything else (ignore)

-----if there are orders with letter **Z** but magic is **9817**, or orders with magic **2836** but index is **J**. EXPERT WILL NOT TOUCH THEM

omaramir: i want expert each new REF to close/delete **ALL** positions whatever the index or magic, the trade page each start will be clean sheet.

Sawaddee: i want expert each new REF to close/delete **ONLY** orders with index **Z**, regardless of **orderMagicNumber** or any other conditions.

Sacredragon: i want expert each new REF to close/delete **ONLY** orders with MagicNumber **2836**, regardless of **index** or any other conditions.



ZREBOO, OMARAMIR, SACREDRAJON, SAWADDEE
all are talking about this **button**

b) Magic Number

Updated: Post 7911

Magic Number Location



for max degree of **safety** for magic number we make it a little bit difficult to change MagicNumber you have to go first to "**BLOCKED**" mode to change to current **memorized** dummy

later on if you go to **ONE-TIME** or **REPEAT** , you can not change it, but it accepts only **YES**(brown) or **NO**(gray) value.

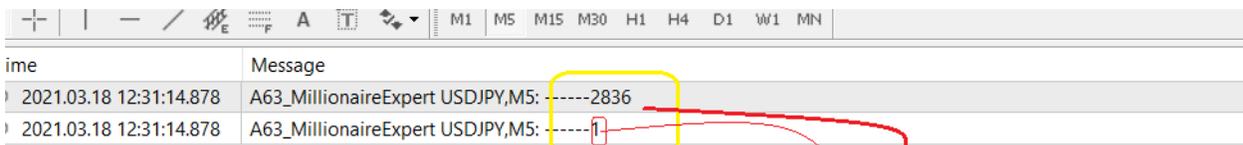
i think this is the best way to handle it. only in the **BLOCKED** we can set **MagicNumber**



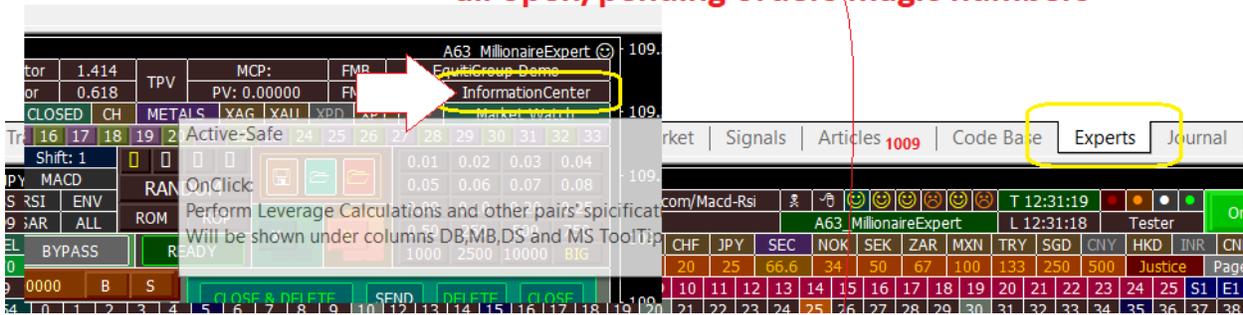
Post #6785

how to know existing MagicNumbers??

ans: click on InformationCenter Button, then check in expert log tab



all open/pending orders magic numbers



c) Journal/ Expert Log

done, but based on our format

if you read **ForexFactory** in expert/journal, then the source is the **MillionaireExpert**

eExpert USDJPY,M5: modify #28559070 buy 0.03 CHFJPY at 117.957 sl: 107.957 tp: 0.000 ok
 eExpert USDJPY,M5: open #28559070 buy 0.03 CHFJPY at 117.957 ok
 eExpert USDJPY,M5: #1 MODIFY_TP_ARRAY_ENTRY_REPEAT [ForexFactory] MODIFY AUDCHF Magic#1 Index: # Lots: 0.04 #28559013 error#0/no error TP:
 eExpert USDJPY,M5: modify #28559013 buy 0.04 AUDCHF at 0.72230 sl: 0.62230 tp: 0.72730 ok
 eExpert USDJPY,M5: #1 MODIFY_TP_ARRAY_ENTRY_REPEAT [ForexFactory] MODIFY NZDJPY Magic#1 Index: # Lots: 0.05 #28559024 error#0/no error TP:
 eExpert USDJPY,M5: modify #28559024 buy 0.05 NZDJPY at 78.897 sl: 68.897 tp: 79.397 ok
 eExpert USDJPY,M5: #1 MODIFY_TP_ARRAY_ENTRY_REPEAT [ForexFactory] MODIFY GBPJPY Magic#1 Index: # Lots: 0.06 #28559026 error#0/no error TP:

Jews | Alerts | Mailbox 7 | Market | Signals | Articles 1009 | Code Base | **Experts** | Journal

1850x576(DPI=120) | 0 | 0 | PASS | MouseClicks 1870 | 671 | 699
 ation: 0.030 s | REPEAT | SHOW | TP | SL | I | AUR | F | L | O | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | BP | 11 | 12 | 13 | 14 | TP | SL | R | C | V | 0 | AvgPips: 0.000

Macd-rsi Mar 8, 2021 9:00 Edited at 9:10 Quote Cleanup #Post 6,641

OrderPrint() Function

Quoting Soraman
 {quote} I been using your bot on a demo with amazing results. I'm wondering how much do we need to safely use it on a real account?

these question are **prohibited** here--since any answer is useless
 your experience tell you
please tell us in comig weeks with answer of your question
 also your good results because of YOU not of my expert.
 All the time i repeat **this expert is 100% successful** in implenting your setting **even if your results are DD of 100%**
 =====
OrderPrint Function:

Post 6641

OrderPrint() Function

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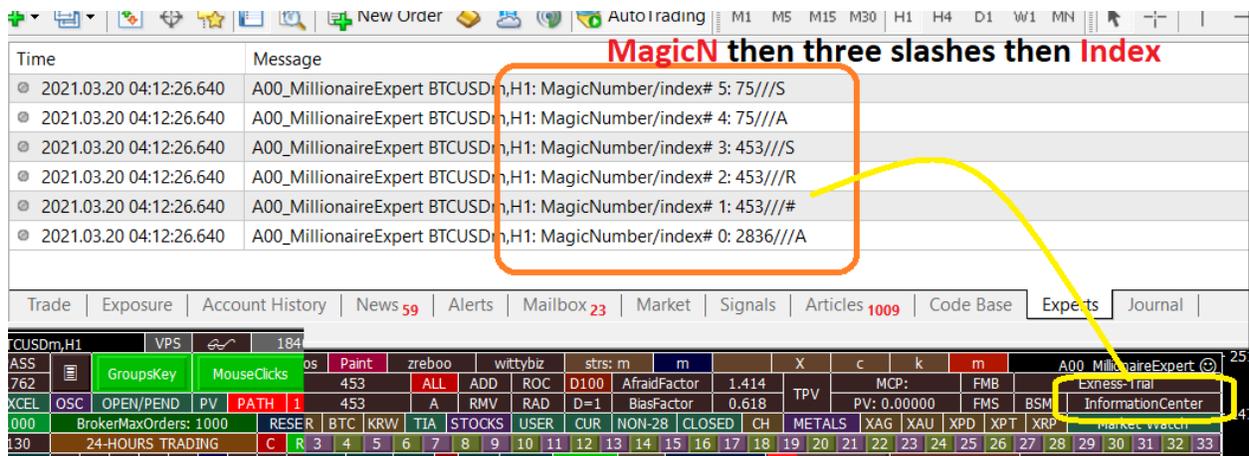
=====

OrderPrint Function:

will be added to all close/delete script to check "4 scripts compacted under one script"

- 1- close all
- 2- close indexed--for example with letter J_
- 3- close only specific magic
- 4- close only specificic index with specific magic

this **function** help you to **test and validate** what we say here.



in picture we see magicNumber **75** is with orders with index **A** and **S**
#453 with **R, S, #** ----- hash sign **#** for repeat mode orders
 etc..
 we have **six** possible conjunctions

14- Dilation in Pips Concept

15- Justice Setting

Based on Pip Calibration Theory

Pip-Clairation Theory, (pair range or velocity factor)

I **invent** this theory for **justice**

anybody has heard of **ADR??**

I call it stupid ADR or newbies ADR!

Average Daily-Range ADR --- actually it is not **TRUE**

My theory states that "pair daily range is linked to great degree to price of the pairitself"

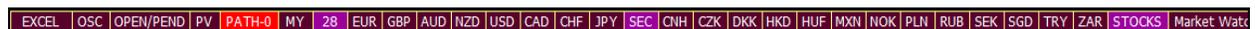
EURUSD now **1.1834??** emmmmm ?? then expected daily ADR is **118??**

>>> if we expect EURUSD ato be 118 pips?? then we expect GBPNZD to be **195** pips, possible day movement--since price is **1.95433**

Example (Refer to #Post 663): for TP you want it to be 250

Justice Setting > 250 > TP

16- Group Selection



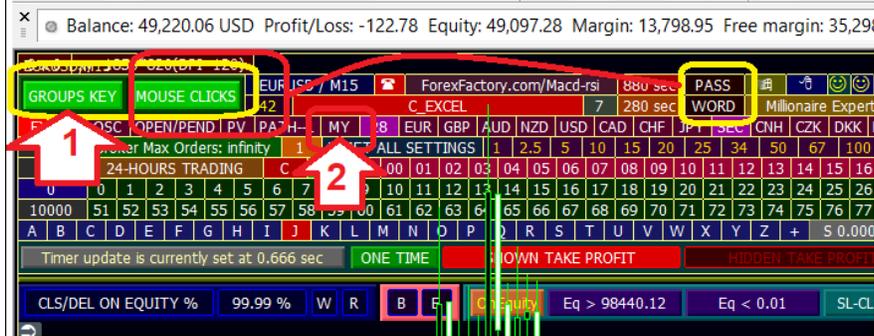
1- First Step confirm that "**GROUPS KEY**" is ON = Green

2- if not click on it one time. First be sure **MOUSE-CLICKS** also Green. if not click on **PASS** then **WORD** then **MOUSE-CLICKS**.

3- Since **MOUSE-CLICKS** is green you now can click on any Fire-Active buttons, like "**GROUPS KEY**"

4- If **GROUPS-KEY** is green, **now you can click on any group**. let us click on button "**MY**"-- This is MY-

group which is the famous 28 pairs arranged according to **my** desire.



5- MY button will become RED which indicate the first click on "MY"

6- and as a consequence, the 28 pairs will appear on the dashboard with null values. except for LD column and L1 and L3 columns.



1) Default Settings

NewLesson: _Default.csv file (00-30)

we have exactly **330** parameters(external variables)

```

Filtered_Defaults.csv  _A40_MillionaireExpert.mq4
310 WAIT_END_3=18:00:00
311 WAIT_3_STATUS=CANCEL
312 REMOVE_EXPERT_MOMENT=18:00:00
313 DCREMOVE_EXPERT_MOMENT=11:00:00
314 REMOVE_EXPERT_STATUS=CANCE
315 DCREMOVE_EXPERT_STATUS=CANCEL
316 DISABLE_ALL=FALSE
317 DISABLE_PERIODS=FALSE
318 DISABLE_REFERENCES=FALSE
319 DISABLE_CLOSES=FALSE
320 DISABLE_REMOVE=FALSE
321 DISABLE_WAITS=FALSE
322 PADDING_COLOR=C'111,89,111'
323 SACREDRAGON_FREEZE_POINTS_SCANNING=NO
324 PHULOCKBS_FREEZE_POINTS_SKIMMING=NO
325 SMART_TP_SL_SYSTEM_COLOR_1=C'199,131,99'
326 SMART_TP_SL_SYSTEM_COLOR_2=C'199,231,199'
327 SMART_TP_SL_SYSTEM_COLOR_3=C'111,144,77'
328 SMART_TP_SL_SYSTEM_COLOR_4=C'255,255,255'
329 SMART_TP_SL_SYSTEM_COLOR_5=C'111,111,111'
330 WAIT_BAR_COLOR=C'0,0,0'
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```

advantage: **you only set it once at your life**, in contract to **other experts** that require to set external variables each time you attach expert to the chart.

NewLesson: _Default.csv file (01-30)

all of these **330** must be set using recommended options under each paramtere

do not care for uppercase, lowercase

for example:

No=nO=NO=no

and YES, is YES=Yes=yES=yEs yes etc..

and Terminal = TeRMinal = terminAL

also you can write your country national entHEME inside the default file. expert is smart enough to filter any irrelevant data.

This helps you to document some lessons here inside that default file.

if you set wrong value(not recommended) , the expert will correct it based on safe-side value.

*for example ALLOW_24HTRADING: accept two values **TRUE** or **faLSE***

*if you write by mistake "**SaudiArabia**", expert will make it **FALSE**, since it is more safe than TRUE for you as a user.*

*expert will delete "**SaudiArabia**" and replace it with **FALSE***

number of external variables in this expert is 0

look at picture: no input tab.



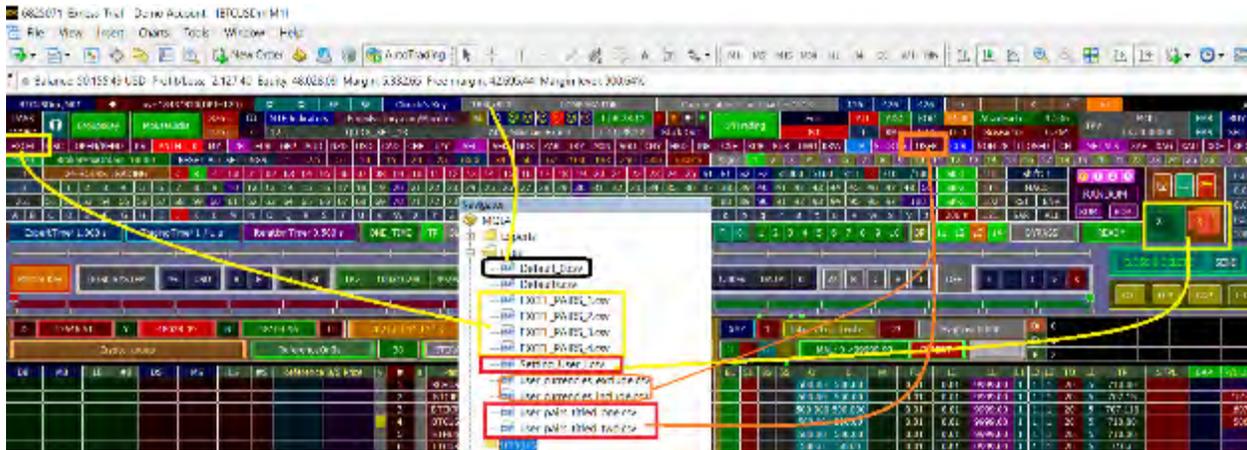
2) EXCEL settings

Updated:

10 csv files

Only 10 csv files are the basics that will be created by the program when attached to the first time in your life to the chart.

detailed on picture.



Group Selection - EXCEL FILES

0- This is the best choice among all groups--you choose and arrange and repeat if you want your pairs according to your desire.

1- First Step confirm that "**GROUPS KEY**" is ON = Green

2- **EXCEL** has 4 groups -- you have the possibility to make 4 excel files, each one has its own instrument upon your desire. for example one for pairs you usually trade, other for mix of metals and some pairs, etc...you not me who decide. each click on EXCEL button you go to next file elements. it will be reflected on dashboard.

3- these files names must be with the following names:

-----complete rotation 4 clicks

-----1--EXCEL_PAIRS_1.csv

-----2--EXCEL_PAIRS_2.csv

-----3--EXCEL_PAIRS_3.csv

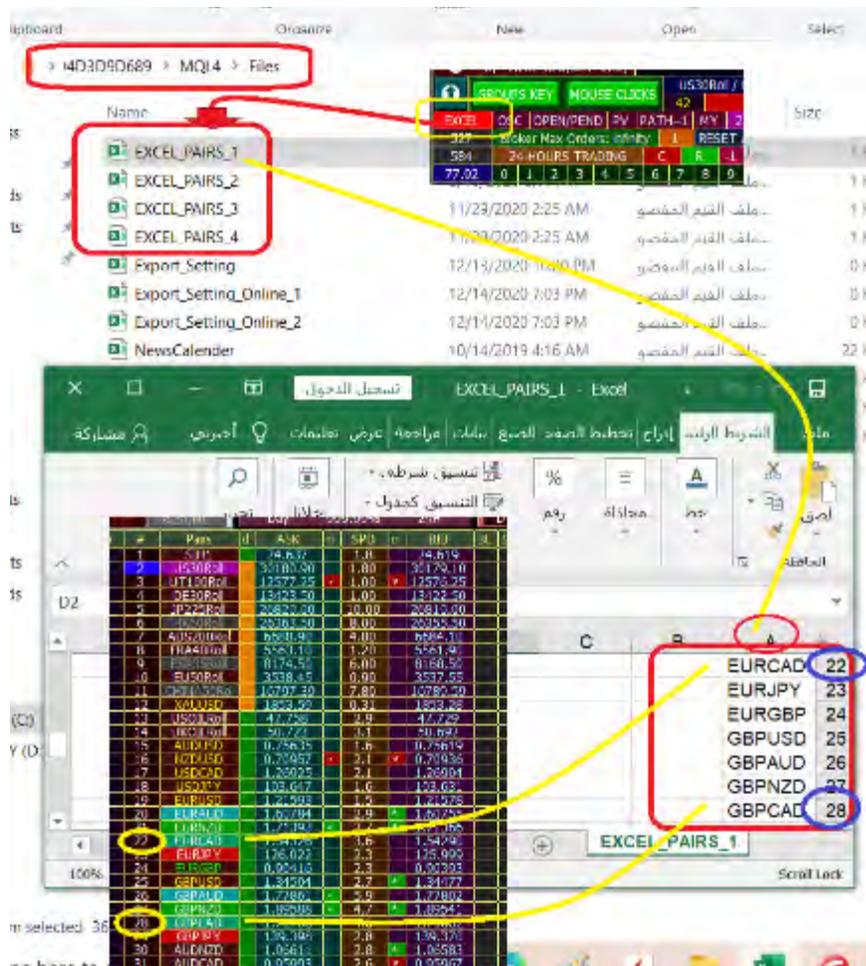
-----4--EXCEL_PAIRS_4.csv

format: EXCEL then underscore _ then PAIRS then underscore then 1 or 2 or 3 or 4

4- extension must be ***.csv** not xls

5- These files must be saved under MQL4\FILES, and for each file just fill excel column **A** with all your instruments

6-what you see on picture is my choice. Your choice definitely will differ.



7- Look at picture, you just fill **column A** on excel-sheet, nothing more. you may do it at one time in your trading live.

8- we put it at the first place in the groups row since **it is the best solution**

9- you can **repeat** pair many times. this is one of the **strongest point in expert**. Reason: you want O and D for SELL positions different from O and D for BUY positions.

10- if you write wrong instrument name like UERUSD, expert will filter it.

11- if you decide to see disabled pairs, (comming lesson) -that wrong name will appear. You can go to excel and deleted it or correct it.

12- please write pairs **as they appear on their chart** or on MarketWatch, for example EURUSD or EURUSDpro or EURUSD.c ...

3) PATH Settings

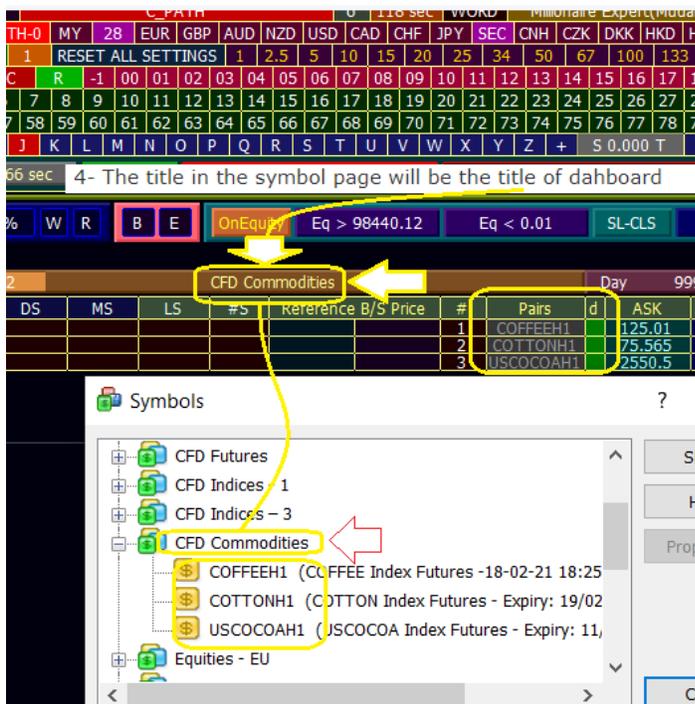
Group Selection - **PATH Button**

1- number of clicks here is not unique number. it is depend on your broker **subtitles** in Symbol window.

2- Path 0 then path 1 then path 2 etc are arranged in alphabetical order, usually CFD first since **C** letter comes before **F** letter in "FX group".



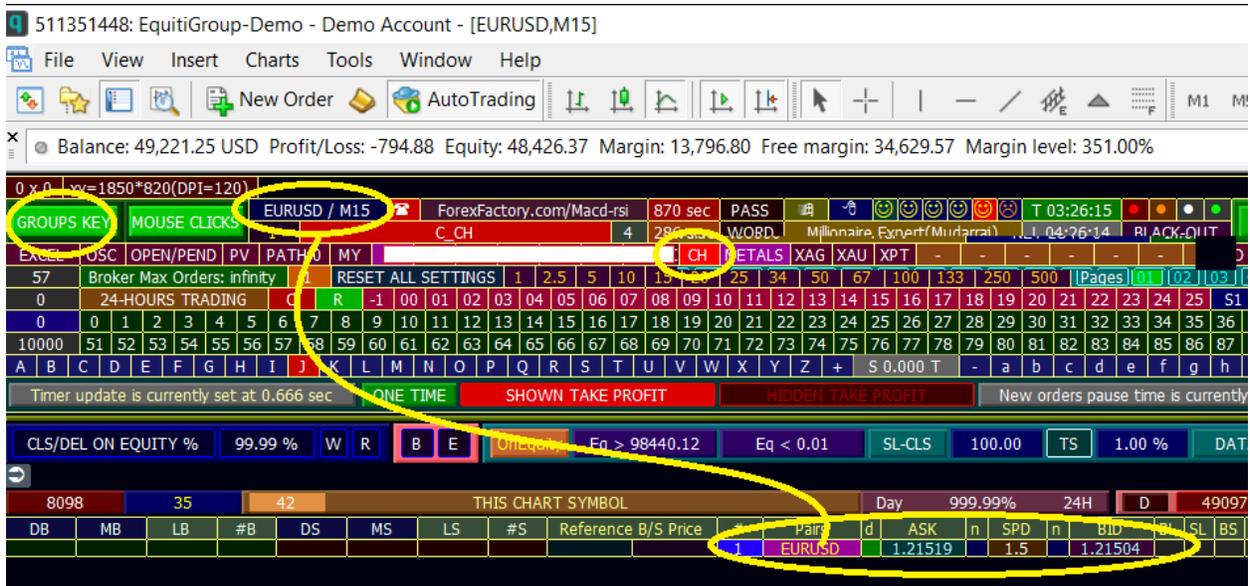
- 3- Instruments will be arranged on our dashboard according to their appearance in Symbol Page
- 4- The title in the symbol page will be the title of dashboard
- 5- To restart from path 0 after reaching path7, click on PV button, to left, then click on path again



4) Chart Settings

CH Button

- 1- this group CH only consist of one elemnt, the pair of the chart. EURUSD in picture.
- 2- it has only one click
- 3- for those who trades only one pair, this is the best solution:
- 4- it makes expert faster since there will be much less buttons!
- 5- CH is the first two letters of word **CHART**.



5) 8 Buttons for famous 8-currencies

- 1- each one accept 8 clicks for 8 different choices.
- 2- look at toolTip/



6) 3 Buttons: 28, SEC and CUR

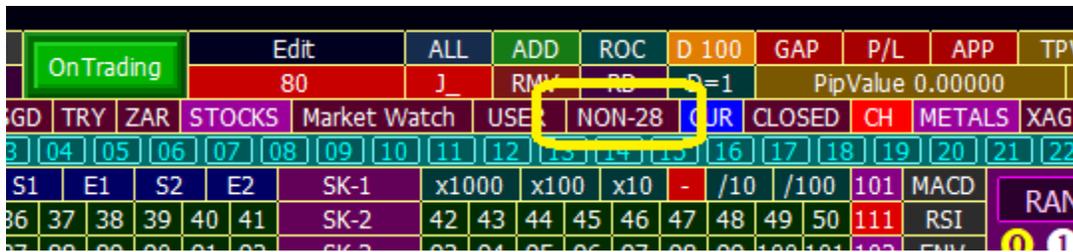
- 1- "28" Famous 28 currency-pairs
- 2- "SEC" all currency pairs except famous 28 pairs
- 3- "CUR" all famous28 pairs plus all SEC curenry pairs
- 4- here indeces , dtok and alike are excluded.



- 5- please explore each button. ToolTips assit
- 6- CUR is thefirst three letters of word CURRENCIES

7) "Non-28" Pairs

It includes every thing eithe SEC currency-pairs, indeces or stocvks etgcc except famous 28 pairs.



8) OSC Button

- 1- OSC = **O**pen **S**econdary **C**urrencies List
- 2- it is save-active, therefore uou can click on it anytime, even if the expert is running. no change to setting
- 3- no need for GROUPS-KEY
- 4 its importance arise from the fact that some brokers offer a plenty of currencies that exceed 19 cusec currency.
- 5-click on it a new row elemnt will appear
- 6-to return back to the original row click on OSC gain.
- 7- ff your brker offer more than 53 SEC currencies, click on the FLIP button to see more hidden rows
- 8- if you reach to the last SEC rows, more click on flip will go to first SEC row elemnts.



9) Non-applicable groups for MillionaireExpert

non-applicable groups for MillionaireExpert

- 1- **PV** , **OPEN/PEND** and **CLOSED** buttons -are very important for other experts like DisplayClick, but they are not essential here
- 2- **USER** button has been explained in depth 1 month ago. it is depend on extern variable which i considered it fuddy-duddy meothd! EXCEL is better
- 3- so ignore thier existance here



Specific Lesson on Repeated pairs

- 1- i think we offer here what may be considered a revolutionary solution:
look at pcicure: AUDUSD is repeated 3 times- so possibilty of different setting for both BUY and SELL
- 2- the possibility of "repeated pair" as many times as you want. for example you can repeat EURUSD 5 times. this help you to distiguish Sell setting from Buy setting or QuickSetting for first 100 pips and different buy setting after 100 pips.

#	Pairs	d	ASK	n	SPD	n	BID	BL	SL	BS	S	O	D	V	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	AUDUSD		0.75536		1.7		0.75519					34.0	34.0		0.01	0.01	9999.00	1	2	7	5	70.0	
2	AUDUSD		0.75536		1.7		0.75519					28.0	28.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
3	AUDUSD		0.75536		1.7		0.75519					5.0	5.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
4	USDCAD		1.27066		2.4		1.27042					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
5	USDJPY		103.613		1.5		103.598					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
6	EURUSD		1.21542		1.5		1.21527					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0
7	GBPUSD		1.34462		2.5		1.34437					34.0	34.0		0.01	0.01	9999.00	1	1	1	20	5	70.0

10) USER Button

Update:

Post 5384

USER-BLUE button

two csv files only for these buttons

assume you want to trade only EUR and GBP pairs, and want to exclude CHF pairs (remove EURCHF, GBPCHF)

Include in include_file

and

exclude in exclude_file

these 2 files only for BLUE - USER

include only pairs of EUR and GBP

But exclude from them these currencies

INCLUDE: يشمل
EXCLUDE: يستثني

ALL EUR and GBP pairs except five currencies

BLUE- USER for csv titled files:

[user_currencies_exclude.csv](#)

[user_currencies_include.csv](#)

----4-3: it cancels button "N" and vice versa
 ----4-4: you will hear musicUpper of Lower only one time, then increment to new level and wait.
 ----4-5: the new level values will be shown under button #2 and #3
 ----4-6: you can consider it a **measure for your lowest and highest equity** during operating system
5- button #5: "N" button
 ----5-1: when equity reach upper or lower level you will hear repeated music for ever until user intervention or equity be below levels.
 ----5-2: the music for upper level is different from lower-level music
 ----5-3: it cancels button "Y" and vice versa
 ----5-4: if you design your own music, the file name must be:
 -----5-4-1: for lower music "EquityDownMusic.wav"
 -----5-4-2: for upper music "EquityUpMusic.wav" -- download zipped-file in attachemnt
 -----5-4-3: this files must be saved under C:\... yourBrokerFile\ Sounds---look at this picture:
 ----5-4: N = "No" = No equity increment here.

Attached File

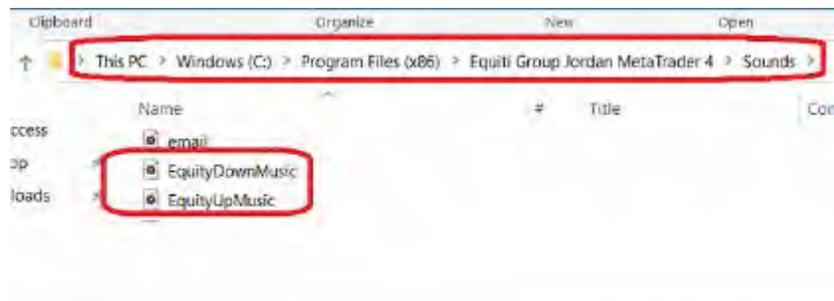
 [UpperLowerEquitySounds.rar](#) 438 KB | 1 download

6- Button #6 -to tune ON or OFF music for **lower** side

----6-1: RED: music ON
 ----6-2: NON-RED: music OFF
 ----6-3: D = Down

7- Button #7 -to tune ON or OFF music for **upper** side

----7-1: RED: music ON
 ----7-2: NON-RED: music OFF
 ----7-3: U = Up



18- Instruments Daily Range

19- Smart TP/SL System

Updated: Post #7012 Revision

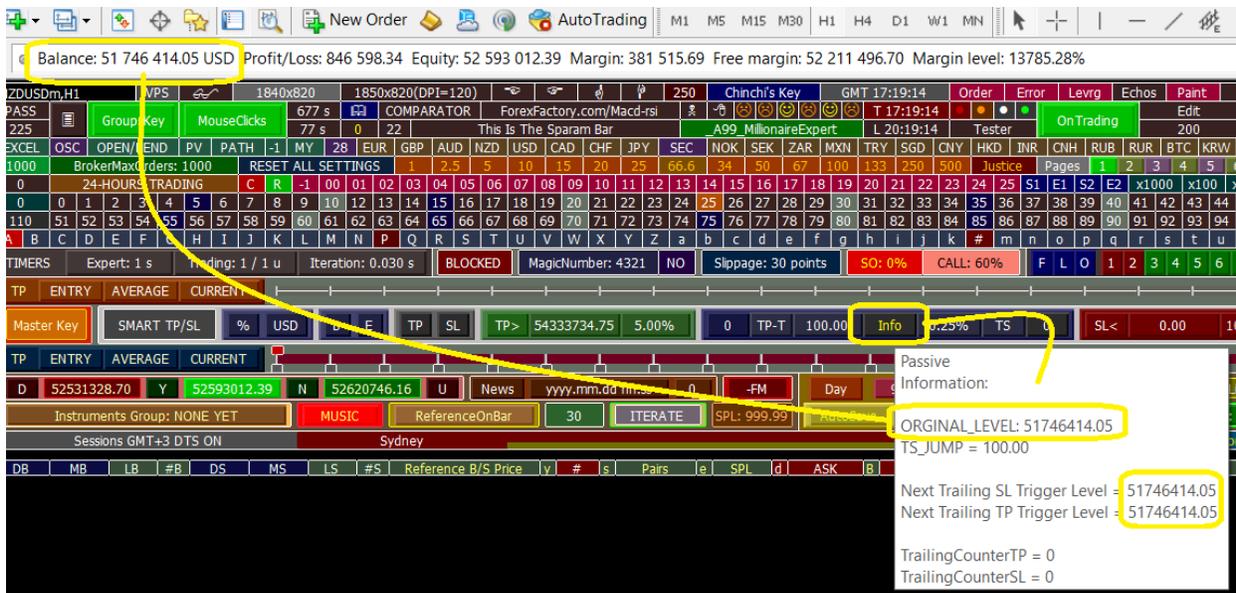
Revises-Simplified-Lesson: Smart TP/SL System (01) broken step-by-step

Original Level: when you attach expert to the chart **for the first time**, current balance will be the original level.

used to calibrate for TP or SL trailing

check the value under **information** button tooltip

with any change you make for Smart Sytem, check **info** button



Revised-Simplified-Lesson: Smart TP/SL System (02) broken step-by-step: % button & USD button

% button & USD button (E-P-N values)

USD button will be EUR button if your account currency is EUR not USD

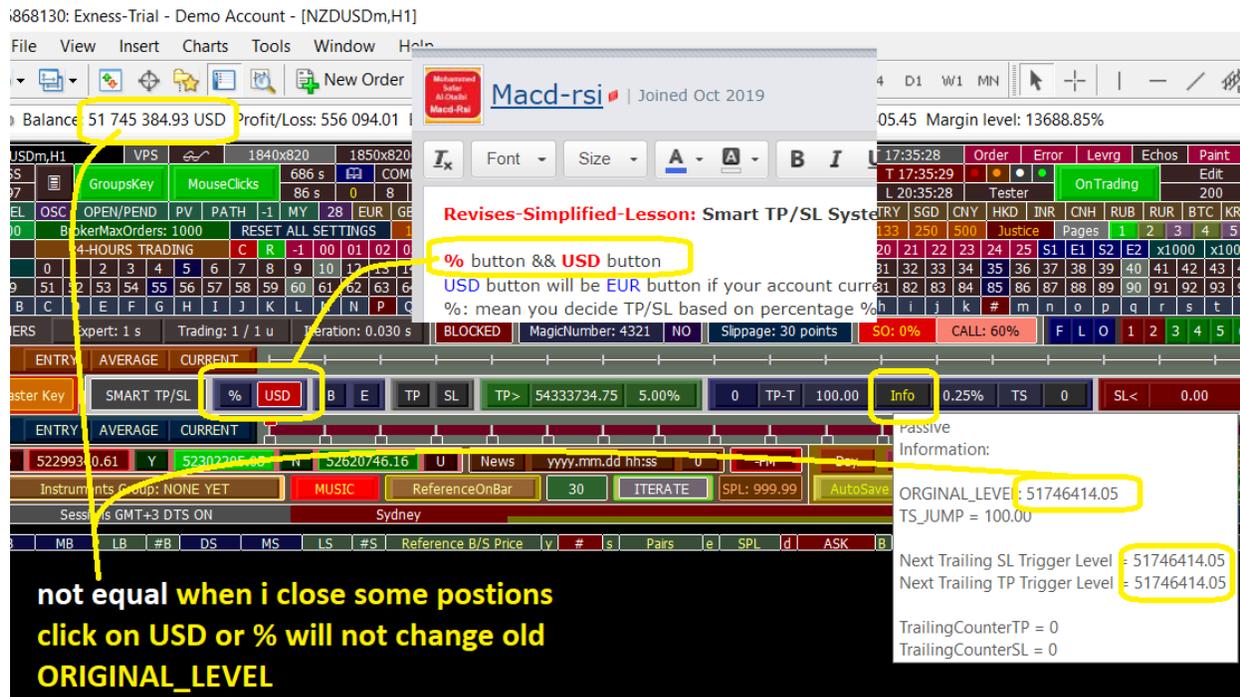
%: mean you decide TP/SL based on percentage %

USD: mean you decide TP/SL based on amount

if you click on any one of them it will be **ON** or **OFF**, and will make other button OFF

no change will occur for ORIGNLA_LEVEL--

try to close any position to change account balance, then click on % or USD---then check *info* button-- you will find old original value when you attach the expert to the chart.



**not equal when i close some postions
click on USD or % will not change old
ORIGINAL_LEVEL**

from default file, you can make it from the start USD or %
 meaning: when you attach expert to the chart you will see USD or % **RED**, without need to click on them,

if you make **EQUITY_OR_PERCENTAGE** equal to **N**---- **both** buttons will be **OFF**

if you make **EQUITY_OR_PERCENTAGE** equal to **E**---- **USD** button will be **ON**

if you make **EQUITY_OR_PERCENTAGE** equal to **P**---- **%** button will be **ON**

```

Defaults.csv | me_definitions.mqh | _A99_MillionaireExpert.mq4 | me_PANEL_10.mqh | me_TP_SL_SMA
351 -----Smart TP/SL System-----
352 EQUITY_OR_PERCENTAGE=N
353 ///EQUITY_OR_PERCENTAGE///Accept 3 possible values 1)E 2)P 3)N
354 BALANCE_OR_EQUITY=N
355 ///BALANCE_OR_EQUITY///Accept 3 possible values 1)B 2)E 3)N
356 TP_YES=NO
357 ///TP_YES///Accept 3 possible values 1)YES 2)NO
  
```

Therefore
 defaults.csv

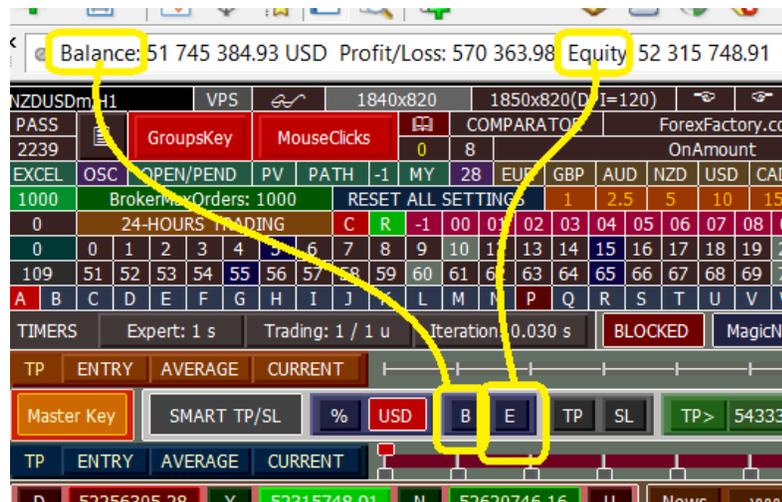
or
 Click method set/reset these two buttons

Revised-Simplified-Lesson: Smart TP/SL System (03) BALANCE_OR_EQUITY buttons

B button & **E** button (B-E-N values)

B denotes Balance

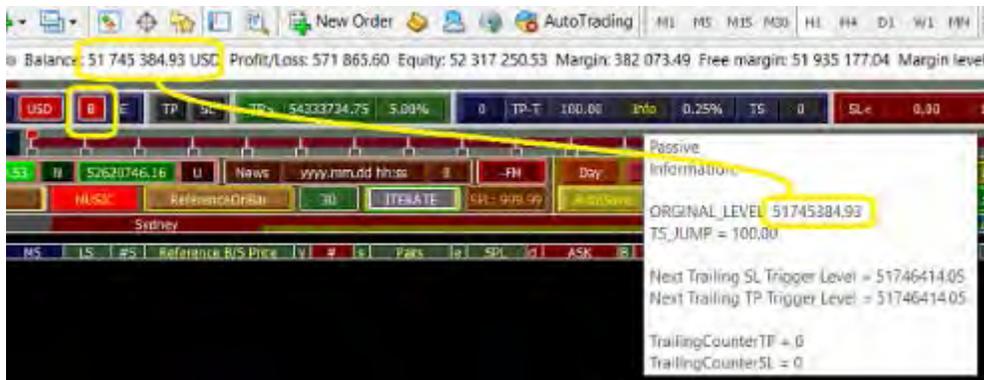
E denotes Equity



if you click on any one of them it will be **ON** or **OFF**, and will make other button **OFF**
at this moment ORIGNLA_LEVEL value will be reset to current balance or equity value. **at the moment of click.**

original level will be current **equity** if you click on **E**

if you click on **B** it will be current **Balance**



try to close any position to change account balance, then click on B or E ---then check *info* button-- you will find a new original level value

from default file, you can make it from the start **B** or **E**

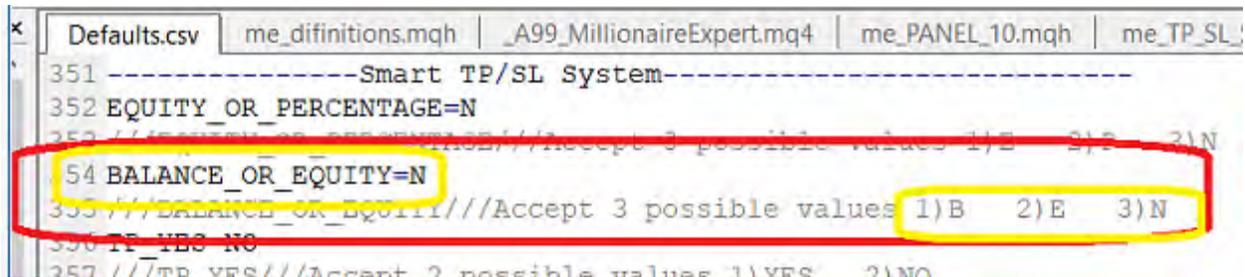
meaning: when you attach expert to the chart you will see B or E **RED**, without need to click on them,

if you make **BALANCE_OR_EQUITY** equal to **N**---- **both** buttons will be **OFF**

if you make **BALANCE_OR_EQUITY** equal to **B** ---- **B** button will be **ON**

if you make **BALANCE_OR_EQUITY** equal to **E** ---- **E** button will be **ON**

Attached Image (click to enlarge)



Therefore also :

defaults.csv

or

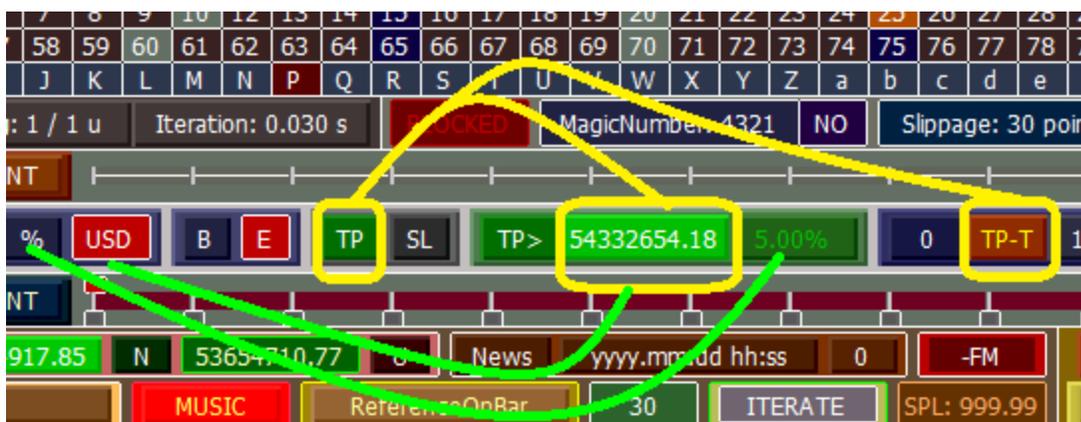
Click method set/reset these two buttons

Revised-Simplified-Lesson: Smart TP/SL System (04) TP button

if you activate it, other related buttons will be shine:

1- amount/% buttons

2- T-TP button



also you can set both using default files:

```
Defaults.csv | me_definitions.mqh | _A99_MillionaireExpert.mq4
351 -----Smart TP/SL System-----
352 EQUITY_OR_PERCENTAGE=N
353 ///EQUITY_OR_PERCENTAGE///Accept 3 possible values 1)
354 BALANCE_OR_EQUITY=N
355 ///BALANCE_OR_EQUITY///Accept 3 possible values 1)B
356 TP_YES=NO
357 ///TP_YES///Accept 2 possible values 1)YES 2)NO
358 SL_YES=NO
359 ///SL_YES///Accept 2 possible values 1)YES 2)NO
360 SET_TP=NO
361 ///SET_TP///Accept 2 possible values 1)YES 2)NO
362 SET_SL=NO
363 ///SET_SL///Accept 2 possible values 1)YES 2)NO
364 EQUITY_TP_PERCENTAGE=5
365 ///EQUITY_TP_PERCENTAGE///Range from 0.00 to 1000.00
366 EQUITY_SL_PERCENTAGE=100
367 ///EQUITY_SL_PERCENTAGE///Range from 0.00 to 100.00 o
368 ALLOW_SL_TRAILING=NO
369 ///ALLOW_SL_TRAILING///Accept 2 possible values 1)YES
370 ALLOW_TP_TRAILING=NO
371 ///ALLOW_TP_TRAILING///Accept 2 possible values 1)YES
372
373
374
```

all the following 3 related to TP accept 2 values, either **YES** or **NO**

- TP_YES**
- SET_TP**
- ALLOW_TP_TRAILING**

plus TP percentage

EQUITY_TP_PERCENTAGE=5

here no TP amount since our account with different balances, therefore it will be calculated automatically based on % when you attach expert to the chart.

Revises-Simplified-Lesson: Smart TP/SL System (05) SL button

if you activate it, other related buttons will be shine:

- 1- amount/% buttons
- 2- TS button



also you can set both using default files:

```

Defaults.csv | me_definitions.mqh | _A99_MillionaireExpert.mq4
351 -----Smart TP/SL System-----
352 EQUITY_OR_PERCENTAGE=N
353 ///EQUITY_OR_PERCENTAGE///Accept 3 possible value
354 BALANCE_OR_EQUITY=N
355 ///BALANCE_OR_EQUITY///Accept 3 possible values 1
356 TP_YES=NO
357 ///TP_YES///1 possible values 1)YES 2)NO
358 SL_YES=NO
359 ///SL_YES///1 possible values 1)YES 2)NO
360 SET_TP=NO
361 ///SET_TP///Accept 2 possible values 1)YES 2)NO
362 SET_SL=NO
363 ///SET_SL///Accept 2 possible values 1)YES 2)NO
364 EQUITY_TP_PERCENTAGE=5
365 ///EQUITY_TP_PERCENTAGE///Range from 0.00 to 100.00
366 EQUITY_SL_PERCENTAGE=100
367 ///EQUITY_SL_PERCENTAGE///Range from 0.00 to 100.00
368 ALLOW_SL_TRAILING=NO
369 ///ALLOW_SL_TRAILING///0.25% TS 0 possible values 1
370 ALLOW_TP_TRAILING=NO

```

all the following 3 related to SL accept 2 values, either YES or NO

- SL_YES**
- SET_SL**
- ALLOW_SL_TRAILING**

plus SL percentage

EQUITY_SL_PERCENTAGE=5

here no SL amount since our account with different balances, therefore it will be calculated automatically based on % when you attach expert to the chart.

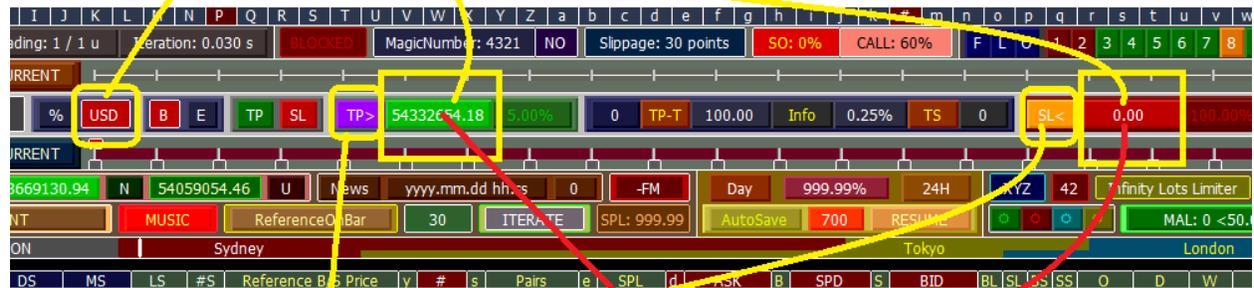
Revises-Simplified-Lesson: Smart TP/SL System (06) Setting TP and SL % or amount

if you already choose **USD** button, then **amountTP** and **amountSL** buttons will shine

-to change TP amount, click on **"TP>"**, it will flash, then click on **amountTP** button, your dummy will be accepted as TP level

-to change SL amount, click on **"SL<"**, it will flash, then click on **amountSL** button, your dummy will be accepted as SL level

if you already choose **USD** button, then **amountTP** and **amountSL** buttons will shine



to change TP amount, click on **"TP>"** , it will flash, then click on **amountTP** button, your dummy will be accepted as TP level

to change SL amount, click on **"SL<"** , it will flash, then click on **amountSL** button, your dummy will be accepted as SL level

Revises-Simplified-Lesson: Smart TP/SL System (07) Setting TP and SL % or amount

but if you already choose **%** button, then **%TP** and **%SL** buttons will shine

-to change TP %, click on **"TP>"** , it will flash, then click on **%TP** button, your dummy will be accepted as TP %

-to change SL %, click on **"SL<"** , it will flash, then click on **%SL** button, your dummy will be accepted as SL %



Revised-Simplified-Lesson: Smart TP/SL System (08) 5 Action-Buttons

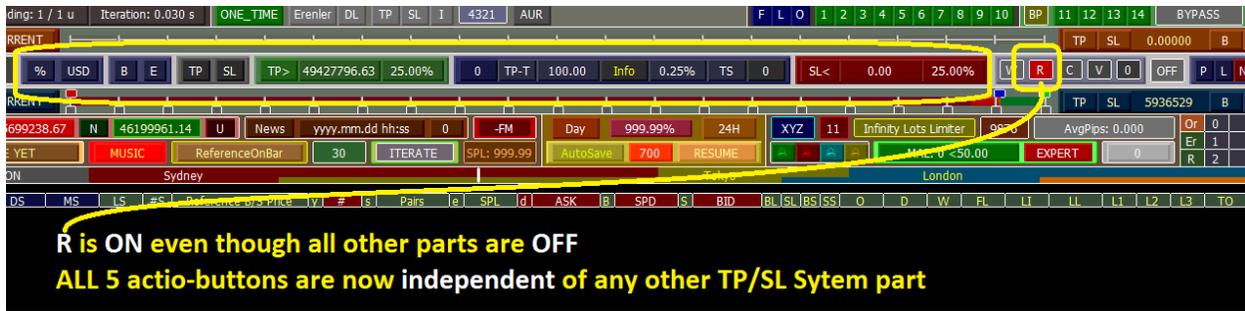
now they are independent, you can click on them any time, if SKs only are Green

also if you activate System, and all 5 buttons are OFF, **they will flash**, indicating that you forget to activate any one of them

do not forget since old versions, if nothing is activated, C button is the hidden default OFF=C button !! even if C button is GRAY.

But in **old** version the whole system can not be ON if no-action-button is activated. Therefore you do not feel that C=OFF

flashing of all 5b will alert you



Revises-Simplified-Lesson: Smart TP/SL System (09) Firing-button

to activate the whole SMART TP/SL System, it is enough to activate either TP or SL buttons, if there is no change for values, and no trailing system

below is minimum enough steps to make the system ON instead of OFF

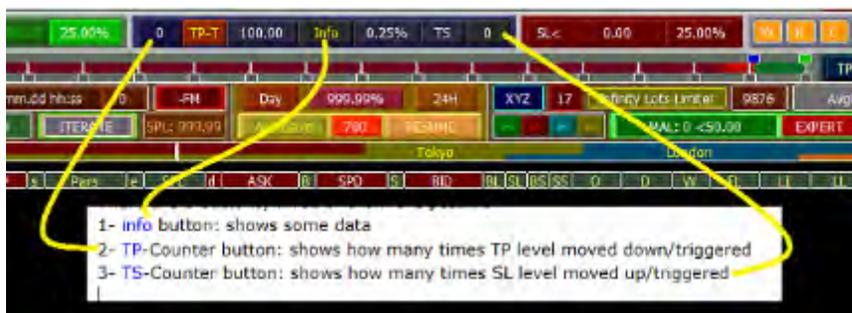


Revises-Simplified-Lesson: Smart TP/SL System (10) Trailing buttons

There are 7 buttons, three of them are **passive**:

passive buttons are:

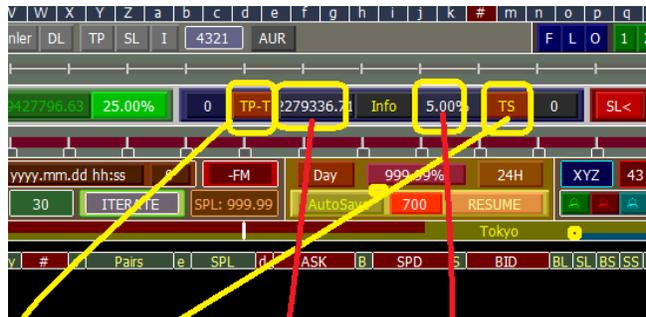
- 1- **info** button: shows some data
- 2- **TP-Counter** button: shows how many times TP level moved down/triggered
- 3- **TS-Counter** button: shows how many times SL level moved up/triggered



and 4 **active** buttons:

- 1- **TP-T**: TakeProfit-Trailing, if you click on, it will allow TP level to trail down.
- 2- **TS**: StopLoss-Trailing, if you click on, it will allow SL level to trail up.
- 3- **Trailing amount**:
 - 3-1: you can **set** its value through CWC/ECWC if both TS and TP-T are **OFF**
 - 3-2: you can **activate** it if at least one of TS or TP-T are **ON**
- 4- **Trailing %**:
 - 4-1: you can **set** its value through CWC/ECWC if both TS and TP-T are **OFF**

- 4-2: you can activate it if at least one of TS or TP-T are ON
- 5- both % and amount can not be ON at the same time, activating one cancel the other one.
- 6- clicking on TP-T or TS button will not make FIRE OFF,
---but clicking on amount or % button will make FIRE OFF



- and 4 active buttons:
- 1- TP-T: TakeProfit-Trailing, if you click on, it will allow TP level to trail
 - 2- TS: StopLoss-Trailing, if you click on, it will allow SL level to trail
 - 3- Trailing amount:
 - 3-1: you can set its value through CWC/ECWC if both TS and TP-T are ON
 - 3-2: you can activate it if at least one of TS or TP-T are ON
 - 4- Trailing %:
 - 4-1: you can set its value through CWC/ECWC if both TS and TP-T are ON
 - 4-2: you can activate it if at least one of TS or TP-T are ON
 - 5- both % and amount can not be ON at the same time, activating one cancel the other one.
 - 6- clicking on TP-T or TS button will not make FIRE OFF,
---but clicking on amount or % button will make FIRE OFF

Older ver:



- SKs should be ON for all steps
- This is done using any one of the following three ways:
- 1- SK-1, SK-2, SK-3 (all 3 must be green)
 - or
 - 2- Click on Master-Key---look at SKs BG color
 - or
 - 3- click on title "TP/SL System"-----look at SKs BG color

File View Insert Charts Tools Window Help

New Order AutoTrading

Balance: 23,777.51 USD Profit/Loss: -492.97 Equity: 23,284.54 Margin: 1,392.43 Free margin: 21,892.11 Margin level: 1672.22%

xy=1850*820(DPI=120)

GROUPS KEY MOUSE CLICKS

Master_Key

TP/SL SYSTEM % USD B

Revised Lessons on "Smart TP/SL System"

Lesson-00: SKs should be ON all the time

This is done using any one of the following three ways:

- 1- SK-1, SK-2, SK-3 (all 3 must be green)
- or
- 2- Click on Master-Key---look at SKs BG color
- or
- 3- click on title "TP/SL System"-----look at SKs BG color
- 4- SKs will be green for few seconds--so if they change to

4- SKs will be green for few seconds--so if they change to OFF state before you finish setting, just do any one of above 3 steps to gain more seconds. Remember: Any backward step will cancel any forward step

Post #5304

very simple steps and already explained.

0- click on **USD**---becomes RED

1- Click on **B** or **E**

2- Click on **TP**, becomes RED

3- Clicks on **TP>** it will flash--so you can change equity level

let us say you already 3 minutes ago memorized dummy at **10,123 USD** (your equity target)

4- if **TP>** **Orange** is flashing, click on amount button beside it, the value **10,123** will be saved here.

5- click on **0**---the saviest action button

6- click on **OFF**---it will flash ON GREEN/RED ===== TP/SL SYSTEM now is in service

2- Click on **TP**, becomes RED

1) % or DDD (Denominating or Account Base Currency)

1- SKs are green

2- press on % or DDD --in picture DDD is USD--

3- expert will show dominating account currency

4- this step is the key for next steps.allow for further stepsy

5- any click on any one of both, will cancel anyforward steps.

The screenshot shows a trading software interface with a lesson box overlaid. The lesson box contains the following text:

Lesson-01: % or DDD
 1- SKs are green
 2- press on % or DDD --in picture DDD is USD--
 3- expert will show dominating account currency
 4- this step is the key for next steps.allow for further stepsy
 5- any click on any one of both will cancel anyforward steps.

The screenshot also shows a trading software interface with a lesson box overlaid. The lesson box contains the following text:

Lesson-01: % or DDD
 1- SKs are green
 2- press on % or DDD --in picture DDD is USD--
 3- expert will show dominating account currency
 4- this step is the key for next steps.allow for further stepsy
 5- any click on any one of both will cancel anyforward steps.

6- RED BGColor indicates your selection

2) Lesson-02: TP and SL bases on Balance B or on Equity E ??

1- I used word "or" instead of "and" in the above title line

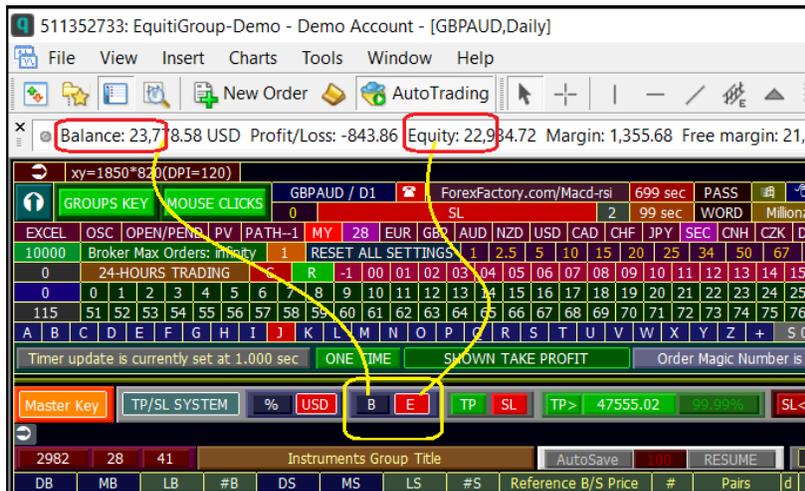
2- they are not concurrent, only both be OFF or one of them is On. activation of one cancel others. Reason: Common sense.

3- they are the key for the next steps

4-if you click on any previos steps buttons, immediatly deactivae these two buttons

5- any click on them deactivate any forward butoons.

- 6- always ON or OFF can not be done if SKs are not green.
- 7- click many times on B--notice what is happening, ON-OFF-ON-OFF-ON- but E always OFF
- 8- RED indicates ON



3) TP and SL

- 1- I used word "and" instead of "or" in the above title line
- 2- you can activate them both or one of them at the same time. Reason: Common sense.
- 3- they are the key for the next step
- 4-if you click on any previous steps buttons, immediately deactivate these two buttons
- 5- any click on them deactivate any forward buttons.
- 6- always ON or OFF can not be done if SKs are not green.
- 7- click many times on TP--notice what is happening, ON-OFF-ON-OFF-ON-
- 8- RED indicates ON
- 9- TP ON leads to TP> bar with different color
- 10- SL ON leads to SL> with different color



4) Editing TP and SL values

- 1- you already have memorized dummy value.
- 2- rules here are very strict, not any one can easily change your setting.
- 3- you must click on TP> or SL> to be able later to set values, either (% or DDD---Any one is shining)--flashing = allow to change value
- 4-when you set %, the corresponding DDD value will be calculated accordingly, and vice versa. example, you choose B, TP, value of 10%, -- corresponding values is 11,000--you know in advance expert will close all positions if your equity reach 11,000
- 5- immediately flash will disappear if you change value of shining field.
- 6- in any step either forward or backward, flashing will be OFF.



7- onpicture you can not click on % field what ever times you try.

5) Trailing Stop TS System

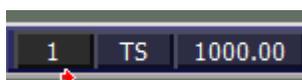
- 1- idle status, everything is Gray. Expert *TP/SL System* will work without using TS.
- 2- but if it is Orange, also expert TP/SL will work without TS. Orange you can only set TS values either DDD or %
- 3- if you click on TS button, it is color be RED. Also here TP/SL will work without TS.
- 4- But if TS is RED, and you click on value DDD or %, and its BGCOLOR becomes GREEN, now TS System is in service.
- 5- any click on TS buttons will cancel any forward steps.
- 6- main TS data will be shown in DATA tooltips passive button.
- 7-counter Button will count how many times TS is triggered.



- 8- in picture, even we edit 35%, but we may choose the corresponding value 8005.95 USD--
- 9- WHEN YOU SET %,DD will be calculated
- 10-but when you set DDD, then % will be calculated.

a) TS Counter

each time TS is triggered (SL jump by 250) -- the **TS counter** will increment by 1



b) Trailing Stop Example

#Post 3122

exactly like traditional trailing step--**movements in quantum**

assume your balance = equity = 10,000 USD

you enter EURUSD 5 Lots, after setting TP/SL System including TS

You make StopLoss at 8,000 USD

and TakeProfit at 15,000

and you choose TS=250 USD

focus on **SL -- I MAKE IT RED**

Now:

SL=8000

TP=15000

TS=250

SL will move up in quantum(not with every 1 cent profit, but when profit reach 250 UD and its multiples)

TP is constant all the time

when your equity reach $10000+TS = 10250$, --- **SL** will be 8250 instead of 8000

then no change in SL until another jump of 250 USD

when your equity reach $10250+TS = 10500$, --- **SL** will be 8500 instead of 8250 ---- but TP is still 15000

trailed by 250

later on when your equity reach $10500+TS = 10750$, --- **SL** will be 8750 instead of 8500 ---- but TP is still 15000

later on when your equity reach $10750+TS = 11000$, --- **SL** will be 9000 instead of 8750 ---- but TP is still 15000

later on when your equity reach $11000+TS = 11250$, --- **SL** will be 9250 instead of 9000 ---- but TP is still 15000

later on prices goes against you, untill equity drops to 9249.99 --- all your positions will be closed with a loss of 750 USD (UR ORIGINAL BALANCE IS 10,000)

c) TS Values

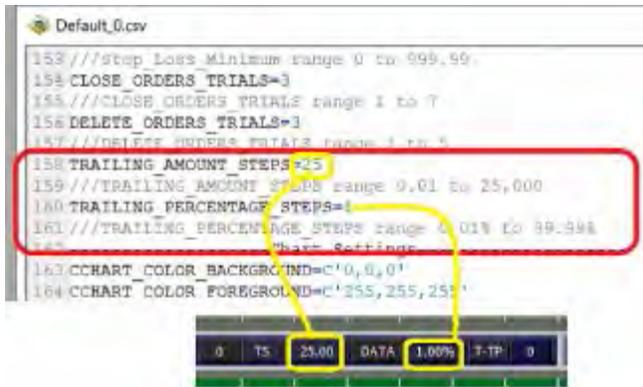
TS values:

1- default as shown on the picture.

2- or through CWC or ECWC

---2-1: TS button must be RED

---2-2: SKs are GREEN



6) Trailing TP System

Update: Post #6843



some smartening up ARRANGEMENT

TRAILING-TP is independent of TRAILING STOPLOSS TS

Also SL is now independent of TP for both ONE-TIME or REPEAT mode

Older Version:

TEST on trailing TP

assume initial balance is 50,000,

you set TP at 60,000 with negative trailing -1,000 USD

if equity drops from 50,000 to 48,000, then TP level **drop from 60,000 to 58,000** (more reasonable) and so on

if market goes against you, you react accordingly--make things more logical.

may it is a new concept! i really do not know. there are more than 7,000,000,000 population on our planet. (i do not count some of my non-friends in this population)

7) Hhlovernhh displacement

Think of it as the first amount required to trigger the first Trailing SL or Trailing TP



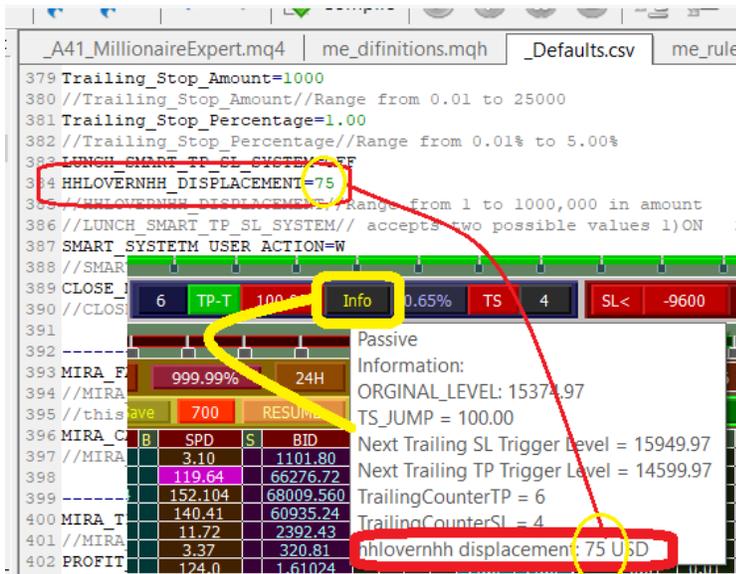
NewLesson: "hhlovernhh displacement"

it is always in amount

TS will not trigger or start till profit/losses move by amount equal to hhlovernhh displacement that you can change using:

1- **default** values

- 2- **CWC**, by clicking on **info** button (ignore word passive)
- 3- **ECWC**, by clicking on **info** button



default now is 75 USD or DDD
 you can change it in default to 0 if you like
 0 = there is ni displacement.

8) Actions

- 1- there are 5 possible actions, trader can choose from them
- 2- **W**: when TP/SL System close all, **Wait** user action-- halt trading, but math and other parts will continue. only no entries until user intervention.
- 3- **R**: **Refresh** automatic **R**estart, with new **R**eferenced prices at the time of closing all,. Old #B, #S, LB and LS, will be also ciphered. (set at void or zero values)
- 4- **C**: **Continue** normally as nothing happen except overall close. = do not do anything.
- 5- **V**: **REMOVE** expert from the chart after TP/SL operates.
- 6- **O**: Set all variables to **zero**, deactivate all fire settings.
- 7- any click here will only deactivate forward button GO: ON:OFF



9) GO button (Fireing TP/SL Process)



- 1-when you see Orange OFF button, then click on it if all previous setting are activated, except for TS

which is optional.

- 2- SKs are required either for ON case or even for OFF case.
- 3- ON state will flash Green/Red

10) CLOSE-MODES (Optional)

Updated: Post #6848

NewLesson: PLN

P: Partial Close

L: Largest lot to be Closed first

N: Normal Close

orc

BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP	STPL	GAP
32735.10					1.00	1.00		1.00	1.00	inf	1.00	1.00	1.00	250	99	100.00	2500.00	266
0.74354					1.0	1.0		1.00	1.00	inf	1.00	1.00	1.00	250	99	100.0	2500.0	34
1.18789					1.0	1.0		1.00	1.00	inf	1.00	1.00	1.00	250	99	100.0	2500.0	59

Older Version:

- 1- only need SKs for both ON-OFF,
- 2- not related to any previous step. since they are fire buttons but with save operations. no worries.
- 3- button with sign "+" to close orders with larger profits descendingly +ve.
- 4- button with sign "-" to close orders with greater losses descendingly -ve.
- 5- button "51" to close orders partially upon user set partial lot.
- 6- button with sign ">" to close orders with greater lots, but quantumly, descendingly.
- 7- button "x" to close orders normally. mt4 serial orders.
- 8- No one of them will be ON at the same time, only one.
- 9- "x" is the default.



TOTAL EXPERT BLACK OUT

When any threshold limit has been hit, all orders closed/deleted every thing later will be automatically halted "blackout-state"

no math calc--no trading, no ability to click

but **all your setting** remain the same. when you click on 0x0 box to return from blackout.

after black out you will find:

1- halt state

2-clicks-lock state

remove the halt,'

remove clicks-lock

and do what you want to do

now please practice all

if possible open three demoms on 3 terminals,,, choose near values, manually try 100 lot positions to hasten investigation process

do not behave in stupid way and wait 5 hours!

11) Smart TP/SL Excel Default Settings

Now almost I have no control over your choices for example **TP %**, you can set it once at your life.

```
352 EQUITY_OR_PERCENTAGE=N
353 ///EQUITY_OR_PERCENTAGE///Accept 3 possible values 1)E 2)P 3)N
354 BALANCE_OR_EQUITY=N
355 ///BALANCE_OR_EQUITY///Accept 3 possible values 1)B 2)E 3)N
356 TP >
357 ///
358 SL > TP> 9073.24 5.00% SL< 0.00 100.00% 0 TS 100
359 ///
360 SET_TP=NO
361 ///SET_TP///Accept 2 possible values 1)YES 2)NO
362 SET_SL=NO
363 ///SET_SL///Accept 2 possible values 1)YES 2)NO
364 EQUITY_TP_PERCENTAGE=5
365 ///EQUITY_TP_PERCENTAGE///Range from 0.00 to 1000.00 of Starting Balance
366 EQUITY_SL_PERCENTAGE=100
367 ///EQUITY_SL_PERCENTAGE///Range from 0.00 to 100.00 of Starting Balance
368 ALLOW_SL_TRAILING=NO
369 ///ALLOW_SL_TRAILING///Accept 2 possible values 1)YES 2)NO
370 ALLOW_TP_TRAILING=NO
371 ///ALLOW_TP_TRAILING///Accept 2 possible values 1)YES 2)NO
372 Trailing_Stop_Eq_or_Pr=N
373 ///Trailing_Stop_Eq_or_Pr///Accept 3 possible values 1)E 2)P 3)N
374 Trailing_Stop_Amount=100
375 ///Trailing_Stop_Amount///Range from 0.01 to 25000
376 Trailing_Stop_Percentage=0.25
377 ///Trailing_Stop_Percentage///Range from 0.01% to 99.99%
378 LUNCH_SMART_TP_SL_SYSTEM=OFF
379 ///LUNCH_SMART_TP_SL_SYSTEM///Accept 2 possible values 1)ON 2)OFF
380 SMART_SYSTEM_USER_ACTION=N
381 ///SMART_SYSTEM_USER_ACTION///Accept 6 possible values 1)W(=WAIT) 2)R(=REFER
382 CLOSE_MODE_L_P_N=N
383 ///CLOSE_MODE_L_P_N///Accept 3 possible values 1)L(=Larger Lots First) 2)P(=F
384
```

in old vers you have no control, the default for TP level is multiplier of 2 by balance and each time you attach expert, you can not control it from the beginning unless you change t using CWC+SKs

Now, I think **all expert variables** are under trader-control.

now through default you can make the whole SMART system **ON** during initialization **no need** each time to use SKs in a lengthy hectic process!! *if you like*

12)MSJAMIRA CONCEPT for Specific Pair Profit

MSJAMIRA CONCEPT for specific pair profits
i find a quick solution, to be % of % of total profits

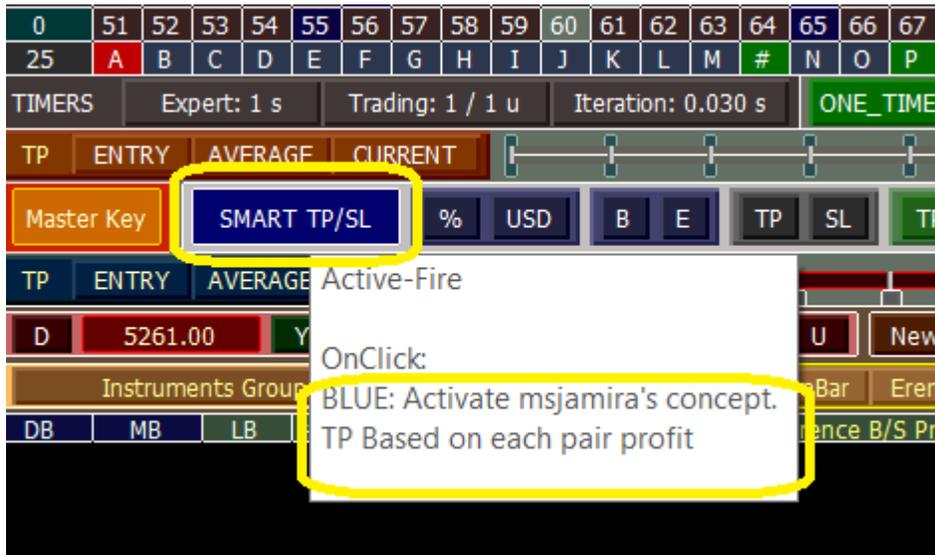
assume you set % for the whole account at 5%
then there is a modifier for single pair profits, ranging from 0.01 to 2.00 multi[plier]

for example if modier is 0.40
then EURUSD % alone will be $0.40 * 5\% = 2\%$

and this 2% for all pairs.

then if specific pair profits reach 2% it will close that pair even if the total% does not reach 5%

also you can make it double of 5% (multp 2) $5\% * 2 = 10\%$ (somewhat strange to use, but it has its own uses)



so this button no longer used for SKs!
it is now really **very very smart** as its name implies!

i will name this multiplier factor as "msjamira_multiplier" in defaults file

and it will be totally independent of existing smart tp/sl system.
that mean they will work asynchronizly.

you have to activate PL_USD first to make calc.

to smarten it up , the button will be 2 experts:

expert for pair P (p/l of buys+sells) -- BLUE BUTTON

expert for direction(p/l of buys or p/l of sells) ---- RED OR AQUA BUTTON--later i will decide!

look at pctrue to realize that msjamira concept is veru important:

we have six pairs

the profit of one pair may surpass the total required profit?? later this pairs profits may convert to negative, if the total profits not reach your required P/L level

ance: 4,055.91 USD Profit/Loss: 3,105.70 Equity: 7,219.01 Margin: 1,710.56 Free margin: 3,502.63 Margin level: 420.49%

The screenshot shows a trading platform interface with various panels. The top panel displays account information. Below it, there are expert settings for 'A62_MillionaireExpert'. A yellow box highlights the 'TP>' button and the value '1792' in the settings bar. Below the settings, there is a table of trade results. A yellow box highlights the 'TP>' button and the value '1949' in the table. A yellow arrow points from the first box to the second.

MP	LB	#B	DS	MS	LS	#S	Reference	B/S Price	v	#	s	Pairs	e	SPL	d	ASK	B	SPD	S	BID	BL	SL	BS
-14.3			-13.8	-13.8			75539.1	75420.4	1			BTCUSDm	1000.0		75566.5		132.3		75434.2				
-11.2			-16.6	-16.6			83742.2	83544.5	2			BTCZARm	1000.0		83773.9		212.8		83561.1				
-3.1			-10.6	-10.6			37871.58	37794.55	3			BTCGBPm	999.99		37888.62		83.44		37805.18				
-4.8			-20.9	-20.9			63091.85	62942.92	4			BTCJPYm	999.99		63063.92		100.09		62863.83				
-3.8			-17.4	-17.4			64474.06	64327.864	5			BTCKRWm	999.990		64504.772		149.816		64354.956				
-3.8			-18.5	-18.5			57692.85	57674.05	6			BTCUSDm	999.99		57717.46		74.95		57642.51				

chinchy-key for print-in-expert-log(green chinchy) mode, has been enhanced---no there is spaces b/w words. easy to copy and translate.

```

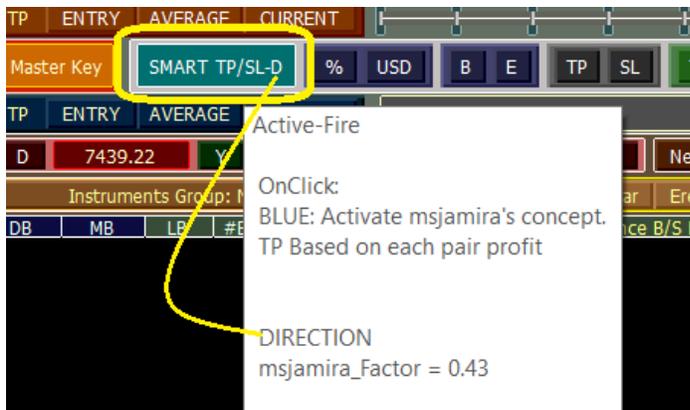
_A62_MillionaireExpert BTCUSDm,H1: Active-Fire Equity (%) value
_A62_MillionaireExpert BTCUSDm,H1: Passive Counter Show how
_A62_MillionaireExpert BTCUSDm,H1: Active-Fire TS: Trailing Stop
_A62_MillionaireExpert BTCUSDm,H1: initialized
Expert_A62_MillionaireExpert BTCUSDm,H1: loaded successfully
Expert_A62_MillionaireExpert BTCUSDm,H1: removed
_A62_MillionaireExpert BTCUSDm,H1: uninit reason 2

```

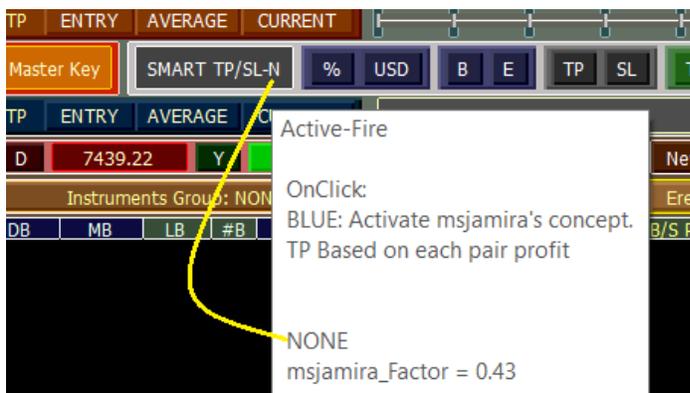
The screenshot shows a trading platform interface with various panels. The top panel displays account information. Below it, there are expert settings for 'A62_MillionaireExpert'. A yellow box highlights the 'Chinchy's Key' button and the value '1892' in the settings bar. Below the settings, there is a table of trade results. A yellow box highlights the 'TP>' button and the value '25.00%' in the table. A yellow arrow points from the first box to the second.

MP	LB	#B	DS	MS	LS	#S	Reference	B/S Price	v	#	s	Pairs	e	SPL	d	ASK	B	SPD	S	BID	BL	SL	BS
-14.3			-13.8	-13.8			75539.1	75420.4	1			BTCUSDm	1000.0		75566.5		132.3		75434.2				
-11.2			-16.6	-16.6			83742.2	83544.5	2			BTCZARm	1000.0		83773.9		212.8		83561.1				
-3.1			-10.6	-10.6			37871.58	37794.55	3			BTCGBPm	999.99		37888.62		83.44		37805.18				
-4.8			-20.9	-20.9			63091.85	62942.92	4			BTCJPYm	999.99		63063.92		100.09		62863.83				
-3.8			-17.4	-17.4			64474.06	64327.864	5			BTCKRWm	999.990		64504.772		149.816		64354.956				
-3.8			-18.5	-18.5			57692.85	57674.05	6			BTCUSDm	999.99		57717.46		74.95		57642.51				

LightSeaGreen color: Direction



Gray color--None (like existing experts without additions)



calm **Blue** color: Pair (that mean both two directions: sells and buys)



from defaults file you can change two parameters:
 msjamira case: either PAIR, DIRECTION or NONE
 plus
 you can set msjamira factor.

```

312 SMART SYSTEM USER ACTION=N
313 //SMART SYSTEM USER ACTION// accepts six possible values 1)W(=WATP) 2)R(=RRRRRRRCH)
314 CLOSE_MODE I P N=N
315 //close mode I P N=N // accepts six possible values 1)W(=WATP) 2)R(=RRRRRRRCH) 3)D(=D) 4)S(=S) 5)T(=T) 6)N(=N)
316 msjamira_Factor=0.43
317 //msjamira_Factor// range from 0.01 to 3.14
318 //this factor is used to close specific pair based on P/L Account/msjamira_Factor
319 msjamira_Case=DIRECTION
320 //msjamira_Case// accepts three values 1)PAIR 2) DIRECTION 3)any other value
321
322 -----WORLD MARKETS TRADING TIMES COLORS-----
323 CSydney=C'111,0,0'

```

assume you set account TP at 5000 USD



but for specific pair you want to close when P/L of that pair (all array pairs) reach 0.40 out of that 5000

that mean: $0.40 * 5000 = 2000$ USD.

then that pair position (all or some) will be closed (12 cases we spoke about last week) when that pair P/L reaches 2000

if you choose **PAIR**: will close all buys and sells

but if you choose **DIRECTION**: then it will treat buys and sells separately

if profits of **buys** reach 2000 will close all **buy** positions only

if profits of **sells** reach 2000 will close all **sell** positions only

0.40 here is **your** msjamira_factor in default file.. it is not imposed by me.

the same thing for % choice

assume you choose 10% instead of 5000

and factor is 0.4

then pair/direction close level will be 4% ($10% * 0.4 = 4%$)

actually setting allow you to make pair TP higher than total account since limits could be also above 1 till the 3.14

min factor is 0.01

to keep integrity/rhythm of this expert whole functions: expertLog will tell you exactly **the root source of close**

three possibilities:

1- DIRECTION-BUY

2- DIRECTION-SELL

3- SMART-PAIR

below since I choose D, i expect either Direection SELL or DIRECTION/BUY

and it is enough reason to read word msjamira in expert log to know that, the source of close is this button only:



for msjamira?? does the pair calulated profit includes all pair open positions:

ans: definitely **not**--we make things much smarter

you have 4 cases:

1- all

2- indexed

3- magocNumber

4- magic+indexed

all position is just 1 case out of 4 cases.

(Refer to Chapter on Account Profit Button for more info on the 4 cases)

so expert will calculate for and close either all or some, upon your personal choice

msjamira button actually it is 4 experts.

please do not cry if some pair positions are not closed

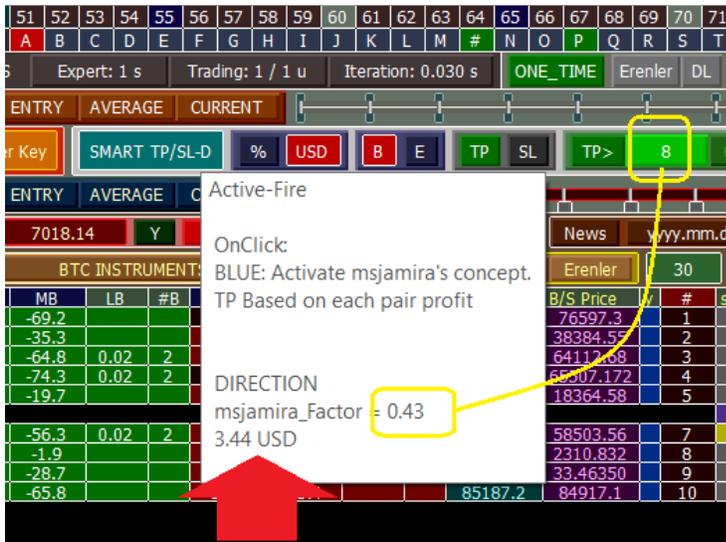
you who decide that---not me, not my expert

always "**you**" are there

NewLesson:

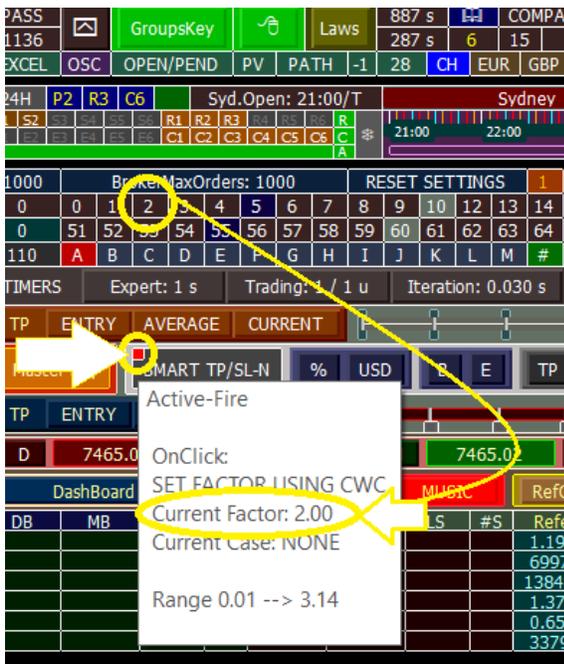
$8 * 0.43 = 3.44$

end of the lesson



Post 7535

now you can change Mira-Factor through CWC also--*just click on small red square on the corner:* plus the method of defaults



Post 7706

as we said three times ago: msjamira 😊 is totally independent of old smart system

not related to OFF/ON status etc

it just takes profit amount or percentage from there and multiply it by MIRA-FACTOR that is only the link b/w them. taking value only! no more

therefore you are dynamic:

- 1- can activate both together
- 2- can activate only smart system
- 3- can activate only msjamira system

in your picture **msjamira** blue = ON

a) MIRA minus

MIRA minus button "-"

if activated will be red

MIRA itself have three possible titles

1- MIRA TP/SL-N

2- MIRA TP/SL-P

3- MIRA TP/SL-D

NONE: OFF

P: ON for pair both directions

D: ON for pair single direction

if activated will be soft green, non-gray

minus if activated will be RED

MINUS means minus 😊

that mean if you set SMART system TP at 10000

and MIRA profit at 1000

and some pair closed with 1000 USD

then expert will make new TP Level $10000 - 1000 = 9000$

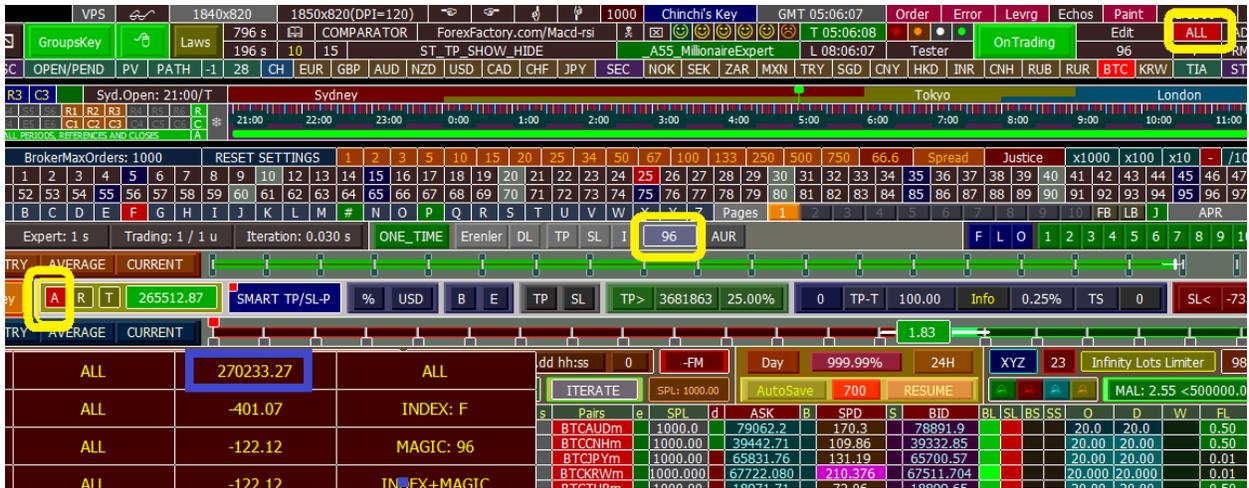


13) SMART TP/SL/MCP/PV Calculations

NewLesson: SMART TP/SL/MCP/PV calculations (01-12)

case-1: ALL-ALL

make things as shown on picture for the three main buttons: index- magic- ART

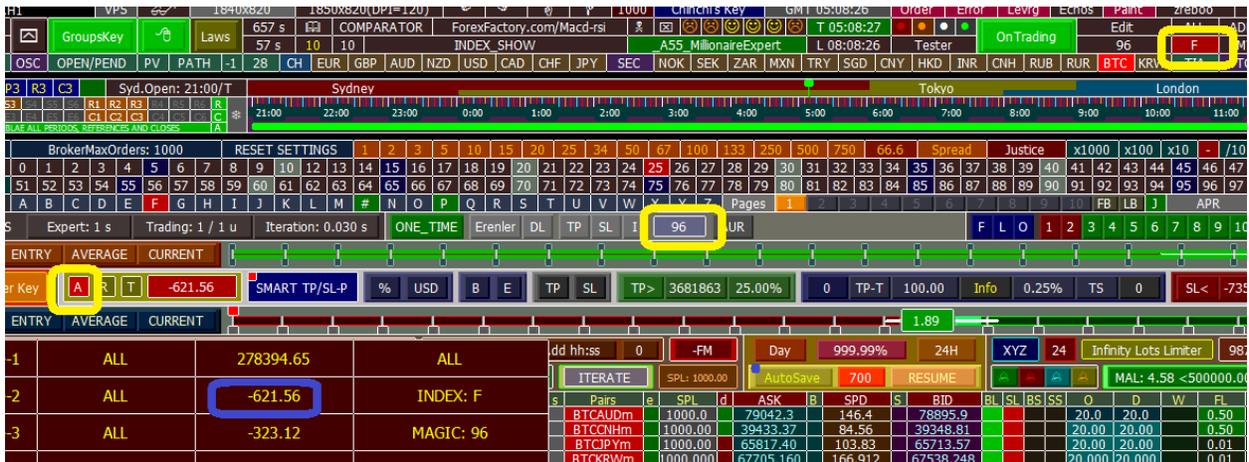


magic is gray-colored

NewLesson: SMART TP/SL/MCP/PV calculations (02-12)

case-2: ALL-INDEX

make things as shown on picture for the three main buttons: index- magic- ART

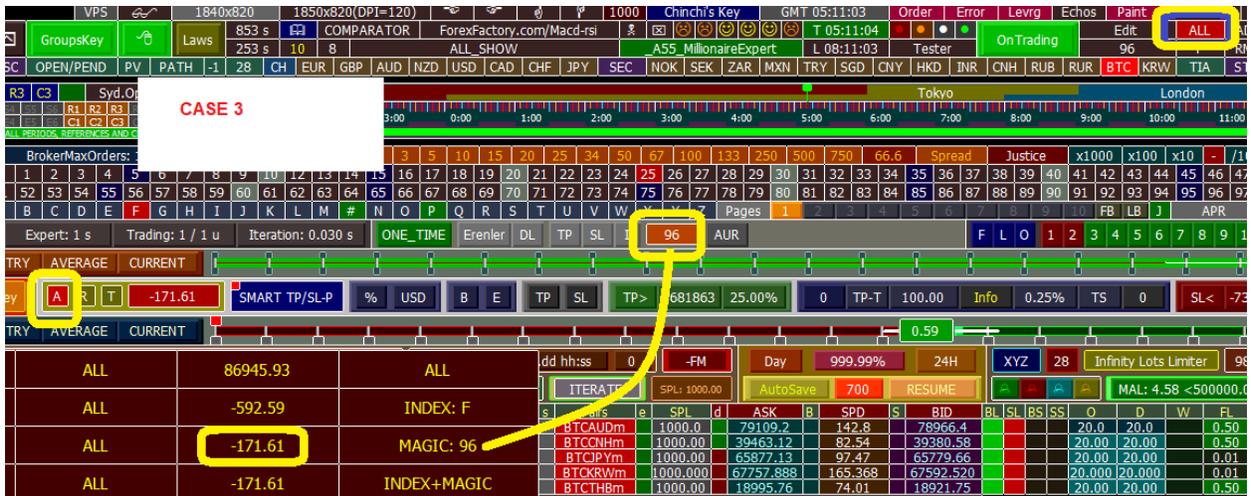


magic is gray-colored

NewLesson: SMART TP/SL/MCP/PV calculations (03-12)

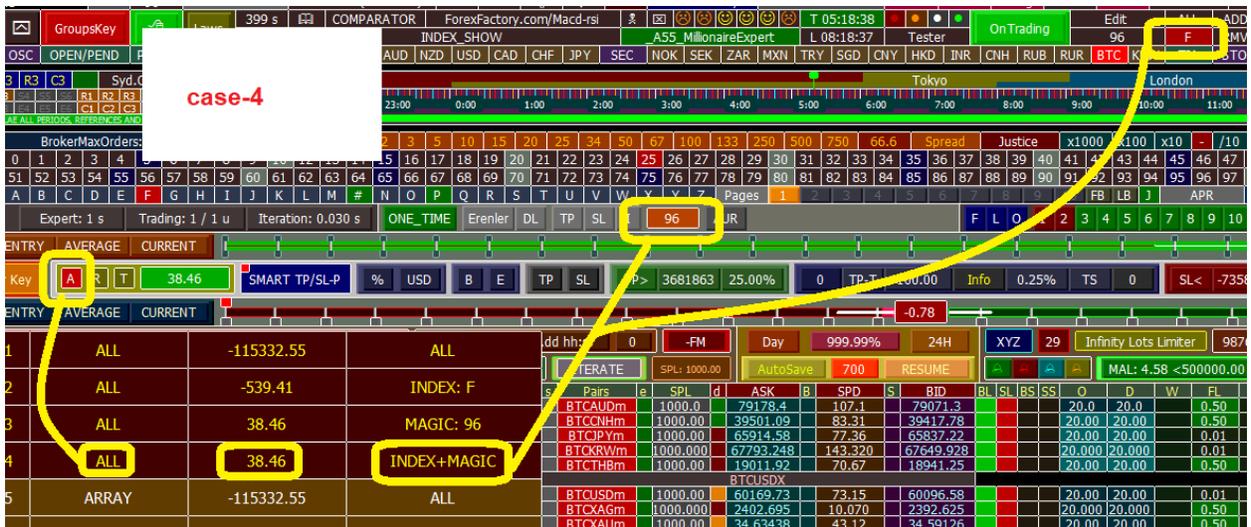
case-3: ALL-MAGIC

Click on magic to make it orange (not gray)
with ALL



NewLesson: SMART TP/SL/MCP/PV calculations (04-12)

case-4: ALL-MAGIC&&INDEX



magic is ON (orange)

ARRAY definition: Array is only the instruments shown on the dashboard. for example you choose 28 pairs, and there are open positions on US30, then **US30 POSITIONS WILL BE IGNORED** as if they do not exist at all.

NewLesson: SMART TP/SL/MCP/PV calculations (05-12)

case-5: Array - ALL

the same as lesson 01 out of 12, except choose **R** instead of **A** in **ART**

NewLesson: SMART TP/SL/MCP/PV calculations (06-12)

case-6: Array - INDEX

the same as lesson **02 out of 12**, except choose **R** instead of **A** in **A R T**

NewLesson: SMART TP/SL/MCP/PV calculations (07-12)

case-7: Array - MAGIC

the same as lesson **03 out of 12**, except choose **R** instead of **A** in **A R T**

NewLesson: SMART TP/SL/MCP/PV calculations (08-12)

case-8: Array - INDEX & MAGIC

the same as lesson **04 out of 12**, except choose **R** instead of **A** in **A R T**

NewLesson: SMART TP/SL/MCP/PV calculations (09-12)

case-9: TIA- ALL

the same as lesson **01 out of 12**, except choose **T** instead of **A** in **A R T**

NewLesson: SMART TP/SL/MCP/PV calculations (10-12)

case-10: TIA- INDEX

the same as lesson **02 out of 12**, except choose **T** instead of **A** in **A R T**

NewLesson: SMART TP/SL/MCP/PV calculations (11-12)

case-11: TIA- MAGIC

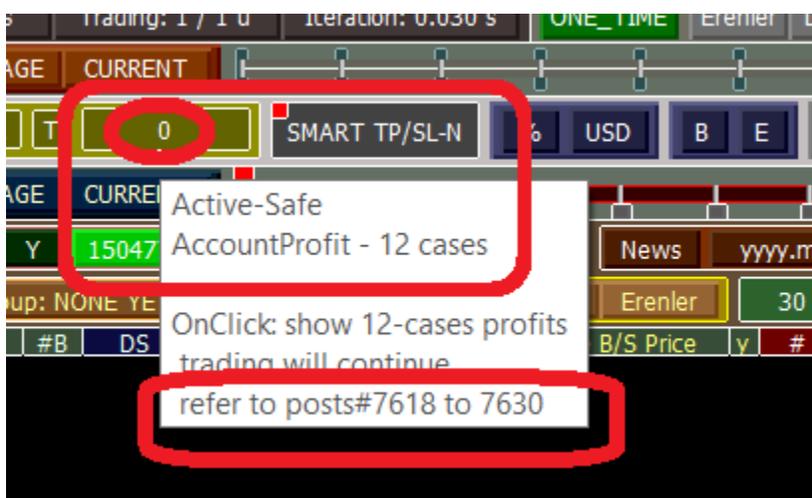
the same as lesson **03 out of 12**, except choose **T** instead of **A** in **A R T**

NewLesson: SMART TP/SL/MCP/PV calculations (12-12)

case-12: TIA- INDEX & MAGIC

the same as lesson **04 out of 12**, except choose **T** instead of **A** in **A R T**

all these 12 lessons have been referenced in tooltips of ProfitFeild



for **wahdatw** V, Ws, DCV buttons on time_bar.

W1,W2 like wait for some time (for entry periods)
it is totally against Ss.

assume you select 24H-trading, but want to stop from 07:17 to 13:13

then set W1W2 at 07:17 and 13:13

V: remove expert at specific moment without any action
while CDV: remove expert but first close and delete all orders/positions



0 P/L ??

ENTRY	AVERAGE	CURRENT	
-1	ALL	-3193036.42	ALL
-2	ALL	-3132702.21	INDEX: A
-3	ALL	-3129938.65	MAGIC: 4321
-4	ALL	-3128411.65	INDEX+MAGIC
-5	ARRAY	0	ALL
-6	ARRAY	0	INDEX: A
-7	ARRAY	0	MAGIC: 4321
-8	ARRAY	0	INDEX+MAGIC
-9	TIA	-3193036.42	ALL
-10	TIA	-3132702.21	INDEX: A
-11	TIA	-3129938.65	MAGIC: 4321

look:
you do not choose any group
= no array elements
therefore we expect zeros here

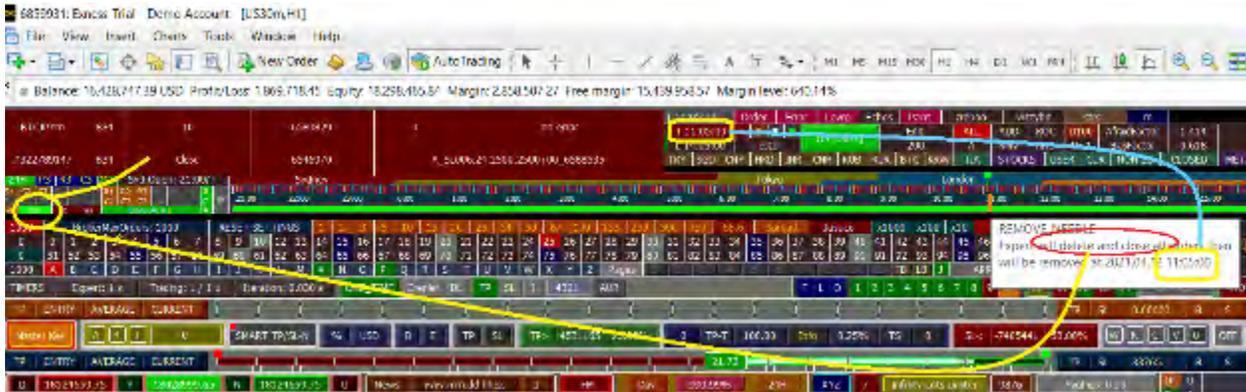
COMMON SENSE: when all symbols of your open positions are under trade is allowed, therefore:

ALL = TIA

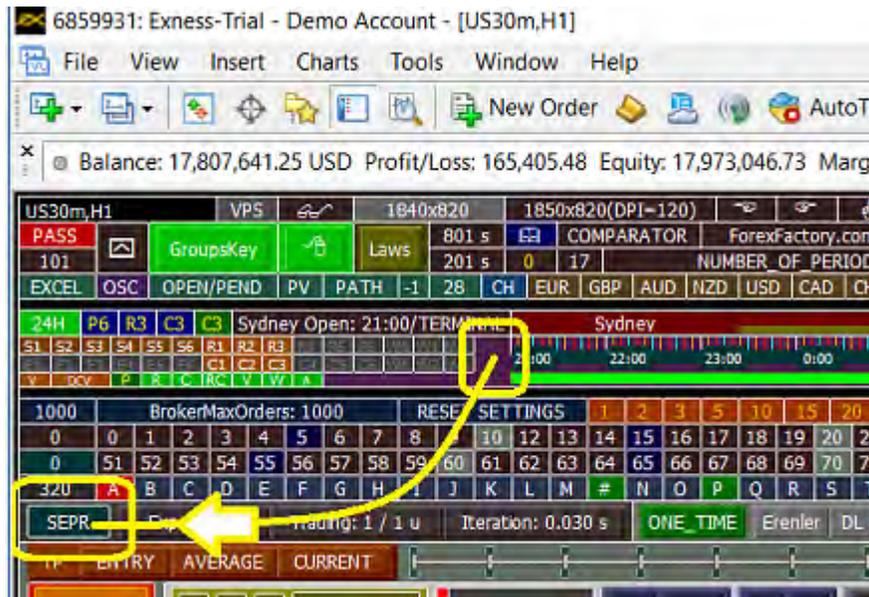
of orders of each direction has been added;
"ORDER" in default
this button now accept 8 clicks for 8 different things
or one time set from the default

TP	SL	33747.5	B	S	N	C/P	D/P	CD/P	CD	D/D	CD/D
XPERT	0.0	P0.0	R	2							
TP	SL	1.2	1.3	TP	STP	SL	SL	SL	BIS # of orders		
9999.99	1.00	1.00	1.00	25	5	750.00	75	642966	172		
9999.99	1.00	1.00	1.00	25	5	750.00	32	764570	131		
9999.99	1.00	1.00	1.00	25	5	750.00	29	103260	74		
9999.99	1.00	1.00	1.00	25	5	750.00	32	696863	192		
9999.99	1.00	1.00	1.00	25	5	750.00	8	122739	83		
9999.99	1.00	1.00	1.00	25	5	750.00	62	860282	143		
9999.99	1.00	1.00	1.00	25	5	750.00	6	23252	47		
9999.99	1.00	1.00	1.00	25	5	750.000	19	130461	159		

proved 100% **DCV** button on the time



DCV: **D**elete -- **C**lose -- **R**emove expert



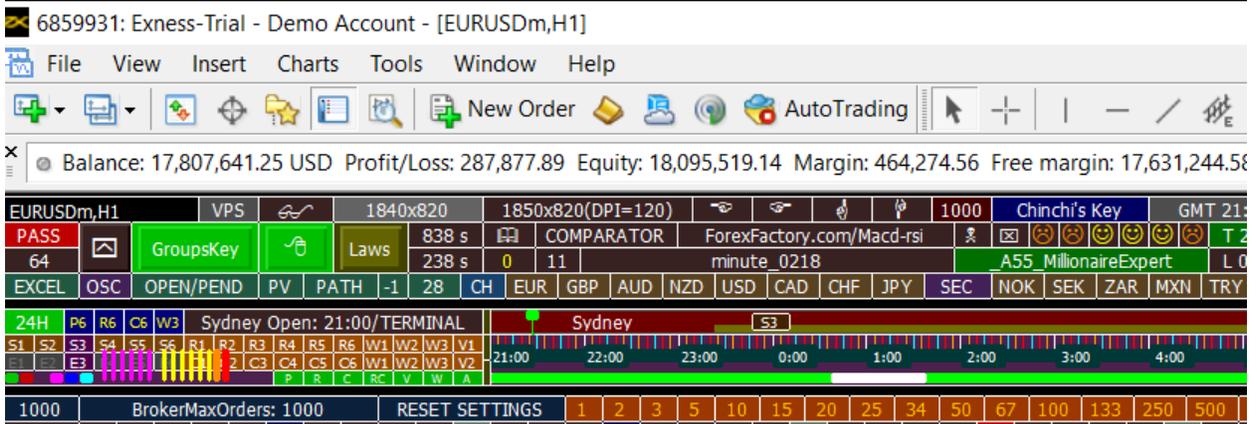
Accuracy for **edge**-minutes:



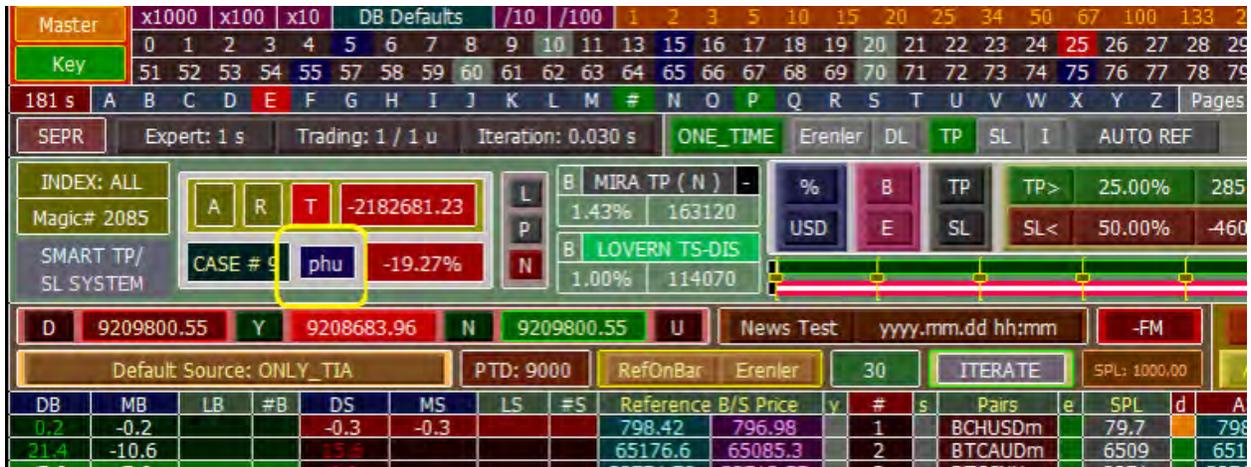
00:00:00
 00:01:00
 00:02:00

23:58:00
 23:59:00
 24:00:00

under satisfying: smartness, quickness, easy-to-use(easiness), reliability, accurate coordination etc..
 and of course 1) self-explanatory 2) posts references



14)PHU TP System



I add **phu** button to encompass also for closed positions during runtime--additional option that could be enabled/disabled!

phu has been added:
since it is simple and fast to code!

you can activate it or disable it. -- it is upto you

so three system can work at the same time:

MIRA

SMART

SMART-phu

or one of then or two of them!

or of course none of them!

consider it **8** experts!

- 1) NO-NO-NO
- 2) NO-NO-SMART
- 3) NO-MIRA-NO
- 4) NO-MIRA-SAMRT
- 5) PHU-NO-NO
- 6) PHU-NO-SMART
- 7) PHU-MIRA-NO
- 8) PHU-MIRA-SAMRT

20- Small Scripts CP,DP,CD,DD,CDP,CDD

ons on specific pair (all BLs or SLs)
 n click on **P/L_USD** of that pair

pecific direction (either BL or SL)
 click on box of that pair under column "**Average Prices**"
 n the second column box of that pair
 n the first column box of that pair

specific-pair- expert-quick-scripts

sorry there are small matter lift: about **expert-quick-scripts**

colors explain meaning: P=Pair---C=close-----1st D=Delete-----2nd D=Direction

- 1- I want to close all postions on specific pair (all BLS,SLs)
 -----answer----- click on CP box, then click on P/L_USD of that pair
- 2- I want to delete all postions on specific pair (all BLS,SLs)
 -----answer----- click on DP box, then click on P/L_USD of that pair
- 3- I want to close and delete all postions on specific pair (all BLs or SLs)
 -----answer----- click on CDP box, then click on P/L_USD of that pair
- 4- I want to close the postions on specific direction (either BL or SL)
 -----answer----- click on CD box, then click on box of that pair under column "**Average Prices**"
 ----- For Sell click on the second column box of that pair
 ----- For Buy click on the first column box of that pair
- 5- I want to delete the pending postions on specific direction (either BL or SL)
 -----answer----- click on DD box, then click on box of that pair under column "**Average Prices**"
 ----- For Sell click on the second column box of that pair
 ----- For Buy click on the first column box of that pair

21- Reference Prices

1) Set Reference on CURRENT Market (Ask/Bid) Prices

LS	#S	Reference B/S Price	Pairs	Ask
		104.044	1 USDJPY	104.043
0.15	10	125.965	2 EURJPY	125.961
0.07	6	138.968	3 GBPJPY	138.960
		77.175	4 AUDJPY	77.173
		73.181	5 NZDJPY	73.176
		81.299	6 CADJPY	81.295
		116.759	7 CHFJPY	116.751

REFERENCE Box refers to two columns shown in picture below. By clicking on the Reference price twice, it will show ALL the current market (Ask/Bid) Prices of all the pairs

Buy orders reference from (Left Column-Ask) Price

Sell orders reference from (Left Column-Ask) Price

Example if O=D=25 pips, (assuming BL,SL or BS,SS is activated)

If price goes below the Left REFERENCE Box column by 25pips, 1 **Buy** order will be placed

If price goes above the Right REFERENCE Box column by 25pips, 1 **Sell** order will be placed

Tip 1: If you do not want to populate all pairs (more reference prices, more computing power required), you can select only pairs you want to set your Reference Prices

Tip 2: If you want to change only the reference price of 1 of the pairs either (Buy or Sell). Clicking on the pair will auto populate only the Reference Sell Price, based on the current Bid Price (same as Bid Price column). See below.

Reference B/S Price	Pairs	ASK	SPD	BID
104.044	1 USDJPY	104.056	0.0	104.056
125.965	2 EURJPY	126.070	0.3	126.067
138.968	3 GBPJPY	138.941	0.7	138.934
77.175	4 AUDJPY	77.280	0.4	77.276
73.181	5 NZDJPY	73.266	0.5	73.261
81.299	6 CADJPY	81.372	0.5	81.367
116.759	7 CHFJPY	116.805	0.8	116.797

2) Set Reference Prices on Bar - Future

Timing based on: **Terminal** or **Local** selected by user

Timeframe: **H1 only**

Intention: To set a future price which I want to set my reference price (only Hour)

Example: I want to set my reference price based on Europe Opening hours later

Action: **Select R** -> XX(hour) based on Terminal or Local Timing

3) Set Reference Prices on Bar - CURRENT Bar

DB	MB	LB	#B	DS	MS	LS	#S	Referen
3.4				-2.2	-2.2			104.044
12.8	-1.1	0.04	4	-13.1	-13.1	0.24	13	125.965
-1.9	-15.2	0.18	11	-0.5	-5.4	0.07	6	138.968
10.2	-0.4			-10.1	-11.6			77.175
8.5	-6.6			-8.4	-9.8			73.176
8.6	-0.8			-8.7	-8.7			81.299
7.0	-2.6			-6.8	-6.8			116.751

Set reference prices based on OPEN price of current Bar's Timeframe (where EA is placed in)

Assume you apply expert now, time now is 11:33 AM.

But you want reference at prices at the opening of current candle (depend on expert chart time frame) - say it is **H4**-time frame

Assume Candle opens at **08:00, 12:00, 16:00** etc

If Current time of 11:33, it will **reference the opening price of bar at 08:00 H4 candle.**

you know the difference b/w 08:00 prices and now 11:33 may be huge. you may like that!

4) Set Reference Prices on NEXT Bar

N-UT: Next Automatic Update of Reference Values (For REPEAT option only)

Set reference prices automatically based on **NEXT** OPEN price Bar's Timeframe (where EA is placed in)

DB	MB	LB	#B	DS	MS	LS	#S	Referen
2.4				-1.2	-2.7			104.044
11.7	-1.1	0.04	4	-11.9	-13.6	0.24	13	125.965
0.5	-15.2	0.18	11	-0.5	-5.4	0.07	6	138.968
10.0	-0.4			-9.8	-11.6			77.175
7.5	-6.6			-7.5	-9.8			73.181
8.7	0.8			8.6	0.4			81.299

The screenshot shows a trading terminal with a top menu bar containing options like 'Edit', '0.5', 'LotsOpened: 0.44', '99999.99', '42', 'ALL', 'ADD', 'ROC', 'D 10', 'PASS', 'WORD', 'Buy', 'Sell'. Below this is a status bar with 'T 07:25:03', 'L 13:25:03', 'BLACK-OUT', 'PipValue 3.07491', 'NET LOTS 0.32', 'SPL: 10000', '#R', 'RMV', 'RD', 'D=1', and 'Number of current objects'. A main data table follows with columns for currency pairs (e.g., EURJPY, USDJPY), lot sizes, and various order parameters. A yellow box highlights the 'N-UT: 2020.12.08 07:30' field.

Current Timeframe: M15

Terminal Time (Active): T 07:25:03

N-UT (AUR Red – Active): 2020.12.08 07:30

At 07:30, the Reference B/S Price will automatically update all prices based on the next opening price of the M15 Bar

5) Set Reference Prices on Previous bars - Vietnamese Box

Timing based on: Terminal only

Timeframe: Depends on current Timeframe your expert is in (M1 -> Monthly)

The screenshot shows a trading terminal with a top menu bar containing options like 'OnTrading', '2020.11.15 14:23', 'ALL', 'ADD', 'ROC', 'D 100', 'TPV', 'avgP', 'TLC', 'ILC', 'TLC', 'GAP'. Below this is a status bar with 'BLACK-OUT', 'J', 'RMV', 'RD', 'D=1', 'PipValue 63.15285', and 'NET LOTS'. A main data table follows with columns for currency pairs (e.g., EURUSD, USDJPY), lot sizes, and various order parameters. A yellow box highlights the '2020.11.15 14:23' field, and a tooltip is visible over it.

and since i add **string** characteristics to edit field, it is possible to **edit** specific **pair name** and attached to dashboard instead of any pair immediately



Vitenamce Ref System is build on high degree of safety:

1- if you enter time out side of bars time (time of sundays for example) -- expert strictly will discover it and reject it.

2- to set timer--you must know correct time format "yyyy.mm.dd hh:mm"

----- dot "." b/w first three parameters and "" symbol b/w last two elements

----- do not forge tspace" " b/w them

year then dot then **month** then dot then **day** then **single space** then **hours** then **minutes**

3- for safety and not east to change time later, by false click, you must use SK1,SK2,SK3 then clock on box

4- if you do, now you can refrence price but also on high degree of safety:

-----a- first SK-1

-----b- you have to click on VietnameseBox, 4 times to enfore refPrice to be modified to opening of you selected time.

5- you are now free of H1 frame, if you set ExpertChart for example to M5, then it will take the openinings based on M5.

Example you edit "2020.12.09 07:33" -- it will take openinigs of "2020.12.09 07:30"

33 is part of 30 in M5.

6- before doing any thing choose first - say MY groups - and observe rePrice

7- it is your high resposibilty to validate is thing are working properly or not. I do it for you, therefore I expect to pay high attenstion, if possible devote some hours to check.

8-please after counter 3 and refPrices changed---observe row of TRADING-HOURS---does RefHour box is colored with your hour in your selectedTime???? or not.

for example; you choose "2020.12.09 07:33" -- does box Hour_7 ,"07",is **GREEN**??

Intention: To set a past price which you want to set my reference price but I cannot use "Set Reference Prices on Bar" (since it only gives Bar0 price), this allow me to set prices based on previous bars

#Post 2344

[sacredragon](#)

Hi I am referring to the Vietnamese Box testing.

Let me try to illustrate it so that I understand better.

Current Date: 2020.12.09

Current Time: T19:01:24 (in picture)

Current Timeframe: M5

Old version > Allows us to set current OPEN price based on current timeframe M5 by clicking on "SET REFERENCE PRICES ON BAR" box at 19:00:00

New version > Aim to allow us to set OPEN price based on current timeframe M5 but few (M5) bars/ candle ago by clicking on the Vietnamese Box.

Example: I want to set 1 bar ago based on M5 > retrieve OPEN price of M5 1 bar ago at 18:55:00. Any timings from "2020.12.09 18:55 to 2020.12.09 18:59" will give us the OPEN price of M5 1 bar ago.

If what I understand was correct, I have tested using the following steps but have been unsuccessful, do correct me if I am doing it wrongly.

Observe -> Current Reference B/S Prices

SK1,2,3 -> Vietnamese Box

Edit -> key in 2020.12.09 18:55

Sk1 -> Click Vietnamese Box 4 times

SK1,2,3 -> Vietnamese Box to display timings "2020.12.09 18:55"

My observations:

1) Reference B/S Price disappears

2) R Timing does not show

3) Can I confirming timing that we key into "yyyy.mm.dd hh.mm" corresponds to T and L timings?

Propose:

1) Is it possible to include the timing of the Current Reference B/S Price as well, so that we know what date/time the Reference B/S Price was taken from.

#Post 3408

Macd-RSI

Quote

Old version > Allows us to set current OPEN price based on current timeframe M5 by clicking on "SET REFERENCE PRICES ON BAR" box at 19:00:00

true, "SET_REF ON BAR" on candle #0, last candle, you named it "current" -- and that also true

Quote

New version > Aim to allow us to set OPEN price based on current timeframe M5 but few (M5) bars/ candle ago by clicking on the Vietnamese Box.

true

plus more task: it will set trading hour for coming days, at the hour which is part of vietnameTimer. 2020.12.01 09.08

at that day "pats or first time" prices were at 2020.12.01 09.05-----past but coming days if new human inervene, REF_HOUR = 09:00 ---- box "9" will be Green-----future

Quote

Example: I want to set 1 bar ago based on M5 > retrieve OPEN price of M5 1 bar ago at 18:55:00.

Any timings from "2020.12.09 18:55 to 2020.12.09 18:59" will give us the OPEN price of M5 1 bar ago.

exactly

Quote

Observe -> Current Reference B/S Prices

SK1,2,3 -> Vietnamese Box

Edit -> key in 2020.12.09 **18:55**

Sk1 -> Click Vietnamese Box 4 times

SK1,2,3 -> Vietnamese Box to display timings "2020.12.09 **18:55**"

yes , it must not change refPrice. thanhalove speak about it.

Reason: you choose future value--- future time without bar (bar not created yet on chart). this box is built on existing bars

assume you select bar of sunday time! also refPrice must not change.

if changed there is a problem in the code==== mismatch b/w what we have said here and how things are running.

Quote

Propose:

1) Is it possible to include the timing of the Current Reference B/S Price as well, so that we know what date/time the Reference B/S Price was taken from.

great propose

will be added on vietnamese box, so this box show last refProcess time.

really it is great idea.

very great.

thank you.

if you were programmer, iam sure you will do things much better

Quote

3) Can I confirming timing that we key into "yyyy.mm.dd hh.mm" corresponds to T and L timings?

since we take bars, and bars belong to broker, and broker is the owner 😊 of the terminal, here no choice.

but from math viewpoint and then from programming point of view, conversion is easy b/w local and Terminal.

assume you apply vietnamese box. bar deal with Terminal time.

But your choice is Local Time. then in this case program know all these facts and do conversion.

assume thanhalove local time is 19:00 while terminal is 12:00

and he always choose "L ---- Local"

and edit 2020.12.10 12:12 ---- program can see it as thanhalove intention -- as a local time, then convert it internally to terminal time,

this is possible but may pose some confusion!

better solution is that immediately when select Vietnamese system-- **program enforce every thing to be on terminal mode.**

Post #5301

this part I explained twice.

i will repeat for the third time.

first, for string values like time format--**no need to click on dummy.**

dummy just for integers and floating values

if SKs ON, just type and click,

be sure first there is a corresponding 1 min candle at your time of the chart you attaching expert to(BTCUSD in your picture). otherwise start of the day will be your time



do not forget it take time part upon chart frame

for example if you apply to M5, you have to expect referencing on 11:25 instead of 11:27.

a) Coordination of Ref Timers (synchronization)

now vietnameses timer is synchronized with any other ref method

activating one method to **de**-activate others

also timeFormat

you can use yyyy -- result will be the current time moment for example "2020.12.10 22.34"

you can use yyyy.mm -- the result will be the start of the month

if you edit 2020.09 -- result: 2020.09.01 00:00:00

also you can use format yyyy.mm.dd

for example you edit 2020.12.07 --- result: 2020.12.07 00:00

if you edit any wrong valued for example "7" or "T#9879-98FsU" or "98457" -- the result will be the start of current date

For example you edit T677YX677 then clicked on SK-1,SK-2, SK-3 then Viet box, the result will be **2020.12.10 00:00:00**

today is 2020.12.10



6) Set User Reference Price

button p has been added

[Quoting ENG.yahia](#)

excuse me is it possible to add user reference price example set ref buy for EURUSD at specific price 1.2100

done

now through CWC, after special price key p , you can set your price>



if **p** is red: your price

if not red: what we have been used to.

7) ITERATE button



NewLesson:

-----**Skat**: when i click SetRefOnBar, weekly chart, all my 10 pairs was at least -200 pips, my O=D=10;

omaramir: when i click SetRefOnBar, weekly chart, all my 10 pairs was at least -200 pips, my O=D=10;

----**zreboo**: when i click SetRefOnBar, weekly chart, all my 10 pairs was at least -200 pips, my

O=D=10;

-----**Skat**: i want expert to open positions **one order for each pair**, and then rotate again till all orders are executed;

omaramir: NO, NO, I want expert to open all 20 positions of the first pair, then go to the second pair and so on (-200/10=20 positions);

----**zreboo**: I hate both methods. I prefer 2 orders for each pair, then go to the second order and when 2 orders of last pair is opened, rotate again 2 orders for each pair.

sacredragon: all choices are available. if **ITERATE** button is GRAY, it is our normal case (**Skat** want that)

but when **ITERATE** is RED, then through CWC method, **omaramir** has to choose big integer number, let us say 40 and **zreboo** has to choose integer 2.

and you will see the true number of iteration in **tooltips** of **ITERATE**

Post #6122

expert will iterate over the same pair 32 times, if first 32 orders entry condition is satisfied, then go to next pair and so on

The screenshot shows a trading software interface with a table of market data and a tooltip for the ITERATE button. The table has columns for DS, MS, LS, #S, Reference B/S Price, Lv, #, s, and Pa. The tooltip for the ITERATE button shows the value Max_User_Iteration : 32.

DS	MS	LS	#S	Reference B/S Price	Lv	#	s	Pa
-12.1	-15.5		32	679.40	677.69	2		BCHU
-1169.2	-1366.0	1.19		58777.38	58590.14	2		BTCL
-1121.6	-1327.8	0.01		61763.713	61603.365	3		BTCL
-1007.8	-1196.4			55815.76	55728.82	4		BTCL
-33.4	-48.6			1909.87	1904.76	5		ETHU
-46.5	-104.0			225.13	222.28	6		LTCU
-226.4	-239.8			0.50968	0.50612	7		XRPV

Active-Fire
OnClick
GRAY: ITERATE WITH ONE ORDER OVER ALL PAIRS
RED: ITERATE OVER SINGLE PAIR UNTIL USER MAX ITERATION COUNTER
Max_User_Iteration : 32
Gray Range: only 1
Red Range: 2 ----> 999

you can set values other than 32 in default file.

this value can not be changed by CWC. **common sense rule**

```

A00_MillionaireExpert.mq4  Default_0.csv
85 //magic_yes_or_no//Accept 2 possible values 1)YES, 2)NO
86 SLIPPAGE_IN_POINTS=30
87 //SLIPPAGE_IN_POINTS//Range 0 to 999
88 risk_mode=BP
89 //risk mode//Accept 5 possible values 1) BP, 2) ML 3) SL 4) SL 5) SL
90 USER_ORANGE_NUMBER=66.6
91 //USER_ORANGE_NUMBER//Range 0.10 to 999.99
92 ITERATE=NO
93 //ITERATE//Accept 2 possible values 1)YES, 2)NO
94 ONE_PAIR_ITERATION=32
95 //ONE_PAIR_ITERATION//Range 2 to 999
96 JUSTICE=NO
97 //JUSTICE//Accept 2 possible values 1)YES, 2) NO
98 ICAN_CURRENCY=USD
99 ORACHEAL_ACTIVATE_TYPE_AGAIN=YES
100 //ORACHEAL_ACTIVATE_TYPE_AGAIN//Accept 2 possible values 1)YES, 2)NO
101 SPREAD_LIMITER=999.99
102 //SPREAD_LIMITER//Range 0.01 to 9999

```



Hints:

- 1- you have to activate iteration---ITERATE=YES===>RED button
- 2- Gray button, is our normal operation, no iteration
- 3- range from 2 to 999
- 4- using SKs, then click on ITERATE to make it ON/OFF

8) Pips Trading Distance (PTD) – Omaramir Idea

(Trading will only begin after a predetermined distance set in PTD)

Post #6020

I see the problem in BS , SS , is when you open orders from far away distance from your reference price. , when those orders reverse then you will face that DD.

Let's assume you are opening BS orders and the market directions is with your side , so you are making profits , you will become very far from your reference number , and since your profitable orders closed in profits , so lot limiter will not stop the expert from opening new orders. , when reversal , it will be big accumulated DD.

In case there is a solution to this problem , we can help each other to cooperate and limit the orders of both directions in a limited area around the reference prices.

If I miss something , or in case I have mistakes in my thinking please point out it to me , and let me please correct my understanding .

Just I am asking my self , and hope MACD-RSI will not be angry from me " can we limit ourselves by upper_reference_price (expert will not open BS upper than thatlevel) and (lower_reference_price :expert will not open SS below this price) , these prices can be implemented by (fixed distance (user defined parameter) from the current reference price in both directions) at least if the idea is acceptable and may lead to profits , lets think about it after July ,

I don't know if we can solve it by the current expert with some sttings , at least I can't find a way to do this.



Post #6066

in the attached picture , expert will not open BS higher than 800 pippets than ref price . and it will not open SS 800 pippetes below reference price.



please main mates: [take care of the thread](#)
A38 solve all remaining minors

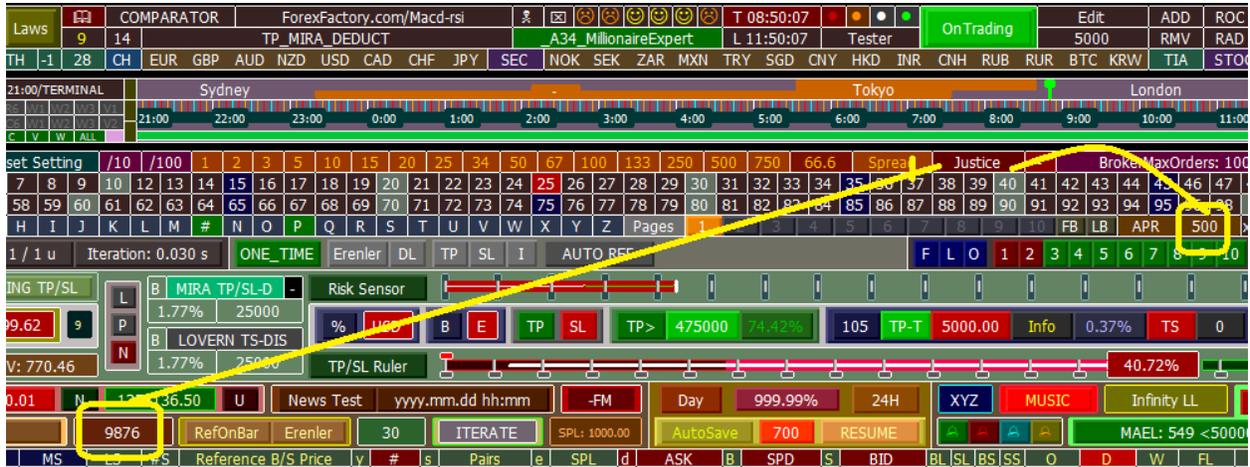


9) Automatic Price Reference (APR)

Automatic Reference Based on Pip Movement

(*Different from PTD, Reference B/S Price will automatically refresh based on predetermined Pip Movement)

Now **PTD** and **APR** are linked to justice button:



Any input (not output) measured in pips is linked to Justice as an option not a mandate.

output like: MS, MB, these are calculated so not applicable
 but input like TP, O, D, APR, etc..

PTD: Pips-Trading-Distance

APR: Automatic-Price-Reference

22- Trading Online with three modes:

Update:

Post #

9-possible modes for SL/TP:

I button, for stupid brokers, to allow expert to change SL or TP until it is accepted by broker in incremental step that **YOU** set it in default file, as has been explained 3 days ago.
to deactivate **I** click on to be **GRAY**



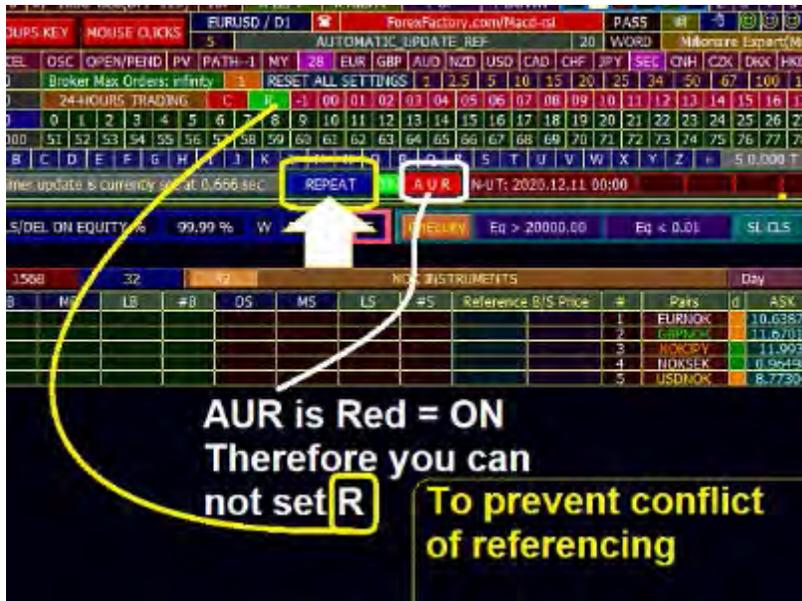
1) Ref Hour R and Repetition Mode

Ref Hour R and REPETION MODE

If you set R at specific hour let us say 13:00,
then you are trading using REPETITION MODE:

1-- if AUR is OFF, then no change to R-Hour

2-- but if AUR is ON "RED" -- expert will immediately reject your R-Hour
if you try to set R again, you can not. expert **reject** always



2) Erenler TP



Post #5860

if you know in advance **average price** of EURUSD **BUYs**
then you choose Erenler TP, with each new order buy on EURUSD, TP will be adjusted
accordingly **after some time** determined by **you** to accomodate for new order.

not me, not the expert, but **zreboo** choose ERENLER_TP_TIMER at **180** seconds. = 3 minutes.
this 180 is not my setting, it is zreboo setting. who choose it not me.

so there is a new order ENTRY on EURUSD at 22:12:37
at 22:15:37 TP of all EURUSD position will be modified to include last entry
but if there is a new order at 22:14:12, TP process will be delayed to 22:17:12 **instead of** 22:15:37

in this way , we make expert fast, since there is less iteration.

just imagine there is 500 orders on EURUSD!! WILL heat your PC!! if iteration done each 1 seconds!!

```

A00_MillionaireExpert.mq4 | hidden_pending_orders_repeat.mq4
85 ///SLIPPAGE_IN_POINTS///Range 0 to 999
86 risk_mode=BF
87 ///risk_mode///Accept 5 possible values 1) BP, 2) MI
88 USER_ORANGE_NUMBER=66.6
89 ///USER_ORANGE_NUMBER///Range 0.10 to 999.99
90 ITERATE=NO
91 ///ITERATE///Accept 2 possible values 1)YES, 2) NO
92 ONE_PAIR_ITERATION=32
93 ///ONE_PAIR_ITERATION///Range 2 to 999
94 JUSTICE=NO
95 ///JUSTICE///Accept 2 possible values 1)YES, 2) NO
96 ICAN_CURRENCY=USD
97 ORACHEAL_ACTIVATE_TYPE_AGAIN=YES
98 ///ORACHEAL_ACTIVATE_TYPE_AGAIN///Accept 2 possible
99 -----Related to Timers-----
100 ///ALL FIRST 8 PARAMETERS ARE SET IN SECONDS-UNIT
101 ORACHEAL_CASE_TIMER=360
102 ///ORACHEAL_CASE_TIMER///Range 5 to 1,000
103 ERENLER_TP_TIMER=180
104 ///ERENLER_TP_TIMER///Range 5 to 1,000
105 Iteration_Timer=0
106 ///Iteration_Timer///Range 0 to 360
107 Expert_Timer=1
108 ///Expert_Timer///Range 0.10 to 3.600

```

if market is going against you an before TP time, there is a new order. TP process is delayed. this is the smart point here.

only at spare times (no entry periods) TP work.

and each pair is **independent** of any other pair. Always 180 from last entry for that pair.

for example **GBPNZD** may be modified at 22: 12:46, but EURUSD at 22: 14:13.

please try it with danger setting and observe time of entry, record it on external paper, and wait you ern time, , **then feedback us.**

TP-ERENLER is always againts TP button, they can not be ON at the same moment. one cancel other.

and it works only with ONE_TIME mode.

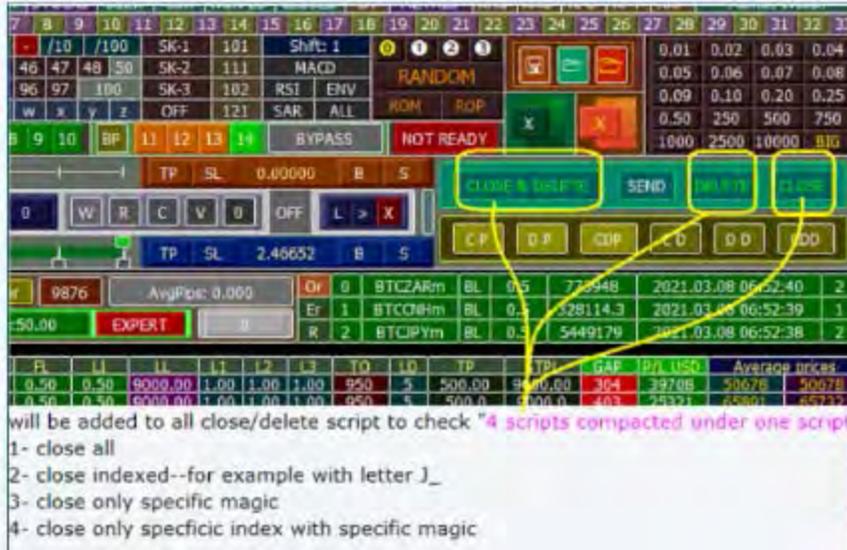
23- Various Scripts: Close-Delete-Modify

Updated: Post #6787

now you can easily validate expert scripts work through expert/journal log tab

let us start first lesson on CLOSE button and validate for 4 all cases:

- 1- close all(regardless of index and magicN)
- 2- close magicN(regardless of index)
- 3- close index(regardless of magicN)
- 4- close magicN with specific index



case-3: close indexed with index **A**
index is the first character of OrderComment
steps: before click on CLOSE
 1- choose **A** instead of **ALL**
 2- be sure Magic status is **GRAY = OFF**



but if you want to close **any A-order with specific Magic number**--make Magic-status dark-RED(BROWN) with **YES** value

in picture expert will **close/delete/modify/calculate** only for orders with magic 2836 and index-A and will ignore other orders



close-all

if you want to close all, simply choose **ALL**, then click on **CLOSE**
 make sure first that Magic status is **NO**



close specific magicNumber orders regardless of INDEX

just make **magic** status **YES**, and choose **ALL**



also 4 cases are applied for any math calculation

for example PV

Do you need PipValue of orders indexed with letter **J**

Do you need PipValue of orders with magic number **6527** regardless of any index

Do you need PipValue of orders indexed with letter **J** that has magic **6525**

Do you need PipValue of all open orders regardless of any index regardless of any magicNumber ??

??

also this system s applied for all expert functions
for example for **SMART** TP/SL system
for various AVREGHE-CURRENT-ENTRY scripits
for **ERENLER** avg system
for hidden or shown TP/SL orders
etc...

YOU who decide
actually it is multi-experts inside one expert capsulated under single button

Do you need PipValue of orders indexed with letter **J**

so each script/expert/math button(external or internal) is in fact 4 scripits/experts/functions

Older versions:

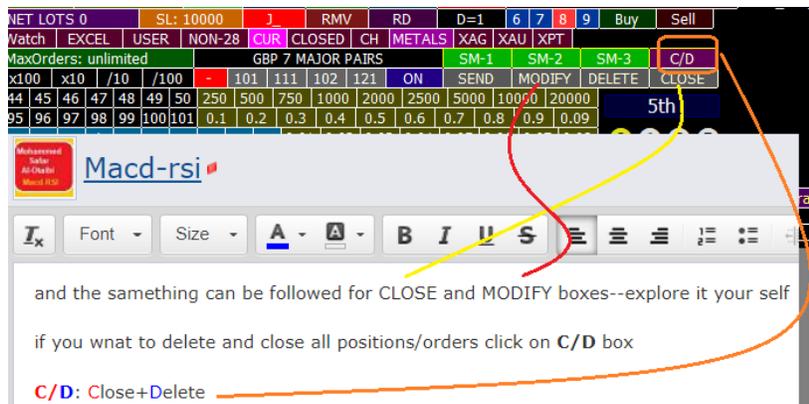
To delete all pending orders:
click on **SM-1** then **SM-2**, then **SM-3**, then **DELETE** box



and the something can be followed for **CLOSE** and **MODIFY** boxes--explore it your self

if you want to delete and close all positions/orders click on **C/D** box

C/D: Close+Delete at the same time



24- Manual Orders

1) Off-Line Orders

"Placing non-hidden Pending Orders"

Placing all Orders based on Script (NOT EA), EA do not be turned on for this method of placing orders, but broker is able to see all your pending orders.



Test: do the following steps in sequence:

- 1- Click on **SPARAM**--to be RED
- 2- Click on **EUR**---RED
- 3- Click on **"100 Orange"**
- 4- Click on **"PAIRS"**
- 5- Click on ReadyMadeDummy **"8"**
- 6- Click on **"TO"**--- Now all total orders will be 8
- 9- Click on ReadyMadeDummy **"2"**
- 10- Click on Ladder **D** -- Now D=2 for all
- 11- Click on **"SL"** to deactivate SellLimit orders
- 12- Click on **SM-1** -- to be Green box
- 13- Click on **SM-2** -- to be Green box
- 14- Click on **SM-3** -- to be Green box
- 15- Click on **"SEND"**

SEND-28P-SL-SS O=D=5,FL=0.05-101-TP250
 OFF-LINE-ORDERS

Only SELL POISTIONS (SS+SL) WITHOUT TECHNICAL THINKING FOR ALL 28 PAIRS

3	AUDUSD	0.76049	1.7	0.76032			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
4	NZDUSD	0.71273	2.3	0.71250			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
5	USDCAD	1.27624	2.2	1.27602			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
6	USDCHE	0.88306	2.1	0.88285			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
7	USDJPY	103.466	1.6	103.450			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
8	EURGBP	0.90660	2.3	0.90637			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
9	EURAUD	1.61184	2.8	1.61156			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
10	GBPAUD	1.77824	5.7	1.77767			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
11	AUDCAD	0.97048	2.5	0.97023			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
12	AUDCHE	0.67154	2.6	0.67128			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
13	EURJPY	126.806	2.2	126.784			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
14	GBPJPY	139.899	2.9	139.860			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
15	NZDCAD	0.90951	2.8	0.90923			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
16	NZDCHE	0.62945	4.7	0.62898			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
17	EURCAD	1.56411	3.6	1.56375			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
18	GBPCAD	1.72548	4.7	1.72501			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
19	AUDNZD	1.06720	2.6	1.06694			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
20	CADCHE	0.69204	2.9	0.69175			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
21	EURCHE	1.08225	2.8	1.08197			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
22	GBPCHE	1.19391	4.0	1.19351			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
23	AUDJPY	78.683	2.5	78.658			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
24	NZDJPY	73.739	2.5	73.714			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
25	CADJPY	81.087	2.4	81.063			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
26	CHEJPY	117.192	3.4	117.158			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
27	EURNZD	1.71995	3.2	1.71963			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0
28	GBPNZD	1.89742	4.6	1.89696			5.0	5.0	0.05	0.00	9999.00	1	1	20	5	250.0

- if price goes **up**, find **sell-limit**
- if price goes **down**, find **sell-stop**

25- Editing TP and SL prices

Updated Version: TP Script Mode

Post #7809

and finally 5 script options are well-documented:

```

596 SMART_TP_SL_SYSTEM COLOR 3=C'111,144,77'
597 //SMART TP SL SYSTEM COLOR 3// preferred color C'111,144,77'
597 SMART_TP_SL_SYSTEM COLOR 4=C'255,255,255'
598 //SMART TP SL SYSTEM COLOR 4// preferred color C'255,255,255'
599
600 TP_SCRIPT_MODE=5
601 //TP SCRIPT MODE//range from 1 to 5
602 //1: MODIFY TP/SL FOR CURRENT ARRAY
603 //2: Modify TP or SL of this chart symbol at specific price
604 //3: Set the TP and/or SL of all open positions at 0.0000
605 //4: Modify TP/SL of this chart at current Dummy Number in pips
606 //5: SET TP/SL at 0.0000 for all open positions and modify TP/SL of pending orders per WittyBid
607
  
```

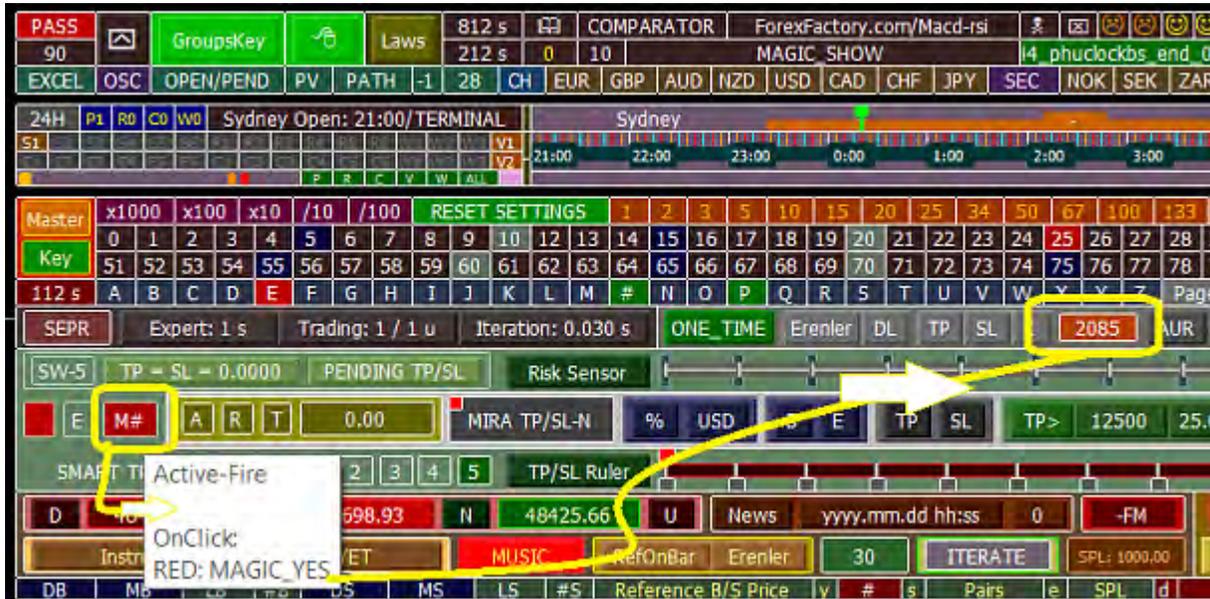
also all main buttons grouped up, and given value of FALASI-like to ensure safety and enforce you to go first to defaults.

aDefaults is replaced by _Defaults.csv

so no need to delete old files, even if they are uselss now for any comming version-- it is up to you!

Post 7817

grouped together (all 12 cases related buttons beside each other -- they are 6 buttons) to activate Magic--click on M#, then the color of passive element will be changed also.



12 cases: 6 buttons
 three buttons: A R T
 three buttons empty(for ALL) + index + M#

M# is the abbrev. of the **MagicNumber**

Old Version for Posts Below:



Blue bars for chart symbol
Brown bars for Array or ALL --as explained

Post #5844 (Note: I changed the sequence of how Macd presented it in his posts, for my understanding)

1) SPECIFIC Pair @ Specific Price



Change TP/SL by entering specific price, based on Chart Symbol which the expert is placed on

Set TP for specific pair at specific price x.xxxxx

pret: i want to set TP for Sells on EURUSD at unified fixed price at 1.1987.

mt4cant:

0- set expert chart to **EURUSD**

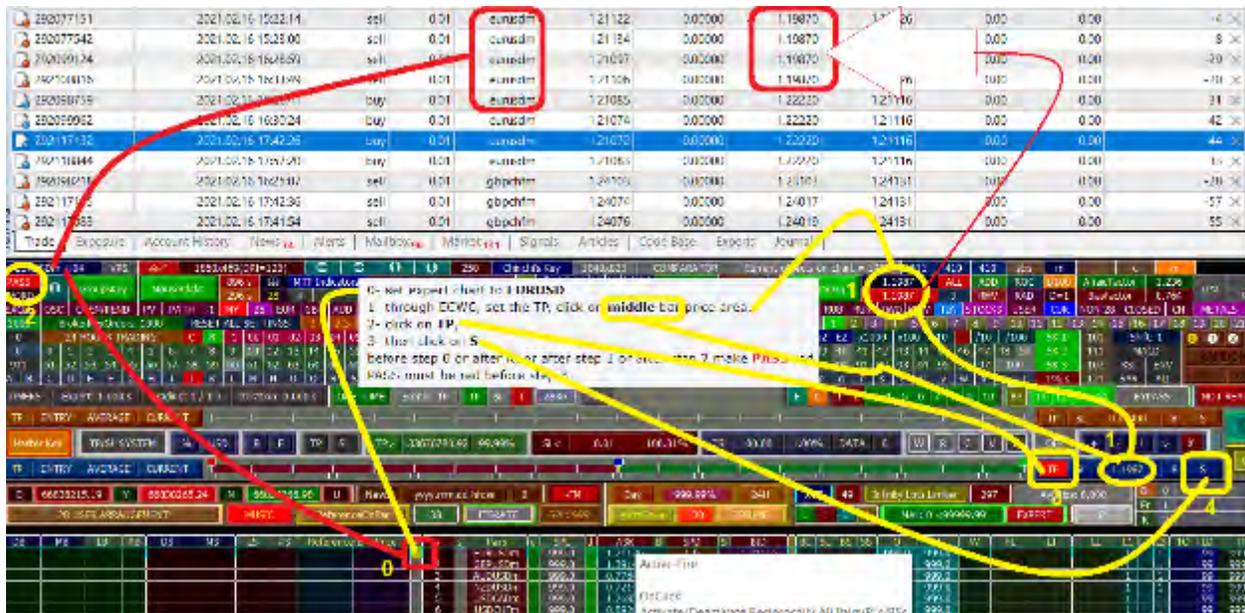
1- through ECWC, set the TP, click on **middle** bar price area.

2- click on **TP**,

3- then click on **S**

before step 0 or after it, or after step 1 or after step 2 make **PASS** red.

PASS must be red before step 3



hints:

1- if you click on S or B before SL or TP, then will be reset when you click later on TP or SL.

2- You have **4** options:

----1: change TP of Buy B

----2: change TP of SELL S

----3: change SL of Buy B

----4: change SL of SELL S

3- impossible to change SL and TP at the same time, if TP is ON, SL is **automatically** OFF----- common-sense rule.

4- impossible to change B and S at the same time, if S is ON, B is **automatically** OFF-----also common-sense rule.

a) How to close specific direction on single pair

phuclockbs: I want to set TP of my 34 open buy positions on **BTCUSD** at price **61234.55**, due to technical reasons? how can I do it??

40PipsAlan: Follow next steps:

0- Set current chart to **BTCUSD**

- 1- Check first if **PASS** is red,
- 2- Set TP at **61234.55** through CWC--click on the middle of the bar, **on price area**
- 3- activate **TP**
- 4- click on **B**----- denotes BUY

Macd-rsi

NewLesson: How to close specific direction on single pair.

phuclockbs: I want to set TP of my 34 open buy positions on **BTUSD** at price **61234.56**.

40PipsAlan: Follow next steps:

- 0- Set current chart to **BTUSD**
- 1- Check first if **PASS** is red,
- 2- Set TP at **61234.56** through CWC-- click on the middle of the bar, **on price area**
- 3- activate **TP**
- 4- click on **B**----- denotes BUY

type	Size	Symbol	Price /	S / L	T / P	Price	Commission	Swap
buy	20.00	btcusdm	58431.94	0.00	61234.55	58510.30	0.00	0.00
buy	20.00	btcusdm	58431.98	0.00	61234.55	58510.30	0.00	0.00
buy	20.00	btcusdm	58431.98	0.00	61234.55	58510.30	0.00	0.00
buy	20.00	btcusdm	58434.53	0.00	61234.55	58510.30	0.00	0.00
buy	20.00	btcusdm	58436.89	0.00	61234.55	58510.30	0.00	0.00
buy	20.00	btcusdm	58436.89	0.00	61234.55	58510.30	0.00	0.00

3 122 205.53 Free margin: 4 556 008.90 Margin level: 245.92% **17**

Mailbox **22** | Market | Signals | Articles **1009** | Code Base | Experts | Journal

ForexFactory.com/Macd-Rsi | T 22:27:28 | OnTrading | 61234.55

unified_BUY | A00_MillionaireExpert | L 01:27:28 | Tester

250 Chinch's Key | GMT 22:27:28 | Order | Error | Levrg | Echos | Paint | zreboo | wittybiz | str: m | m

5 10 15 20 25 66.6 34 50 67 100 133 250 500 Justice Pages 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 50 SK-2 111 MACD

67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 100 SK-3 102 RSI ENV

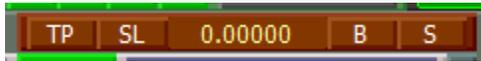
T U V W X Y Z a b c d e f g h i j k # m n o p q r s t u v w x y z 138 s 121 SAR ALL

ED MagicNumber: 2836 NO Slippage: 30 points SO: 0% CALL: 60% F L O 1 2 3 4 5 6 7 8 9 10 BP 11 12 13 14 BYPASS

TP> 7906180.05 5.00% 0 T-TP 76689.43 DATA 1.00% TS 2 SL< 150593.91 100.00% W R C 0 ON P

TP SL 61234.55

2) ALL (OPEN only) Orders @ Specific Price (0.0000)



Change TP/SL, for ALL OPEN Orders based on specified price

NewLesson: Set TP and/or SL for all orders at 0.0000 for open positions



when finishing any of 9 possibilities, do only two steps|:

1) **PASS** is red,,,,, 2) click on **0.00000**

4 parameters: TP - SL - B - S

1- TP and SL for Buy B only. S non red

2- TP and SL for both Buy B and Sell. click on all 4 to be red

3- SL for Sell. ONLY sl and S are red. please do all steps in less than 0.7 seconds.

4-

5-

6-

7-

8-

9-

you can complete these contents . . . it is very simple to recognize.

3) Specific Pair @ Dummy Number



Change TP/SL by Dummy Number, based on Chart Symbol which the expert is placed on

Set TP for specific pair (Chart Symbol)

similar step to last lesson, but here TP is the dummy number that you see in dummy field

please check for last two lesson, journal/expert page.

DB	M	#	s	Pairs	e	SPL	d	ASK	B	SPD	S	BID	BL	SL	BS	SS	O
		1		EURUSDm		999.0		1.21143		1.0		1.21133					500.0 50
		2		GBPUSDm		999.0		1.39119		1.5		1.39104					500.0 50
		3		AUDUSDm		999.0		0.77638		1.5		0.77623					500.0 50
		4		NZDUSDm		999.0		0.72140		2.0		0.72120					500.0 50
		5		USDCADm		999.0		1.26840		2.2		1.26827					500.0 50

for last two lessons: only two clicks:

PASS then either **ENTRY** or **Average** or **Current**

your practice is your guide and your problems-solver

4) ALL (OPEN only) Orders @ TP Column



Change TP/SL to values in TP Column, for ALL OPEN Orders

NewLesson: Set TP array orders

this lesson is very symbol:

- for selected array, you already set or know TP of each pair -- under TP column you have 3 options:

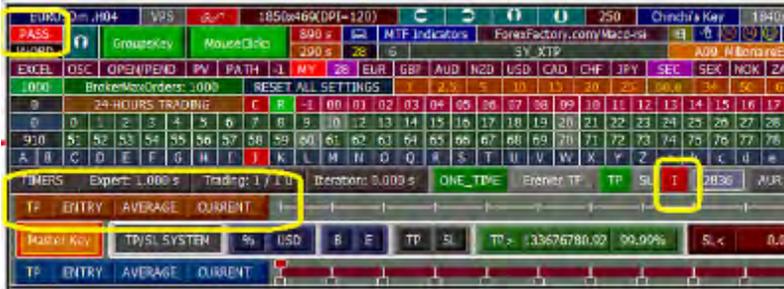
TP from the current prices

TP for entry price for each order

TP of average price of each pair.

if your broker is a buckshop like EXNESS, you can use I to allow increment until order modification is accepted.

you already know from default files, increment status and values like step increment and number of trials.



array

DB	FL	LI	LL	L1	L2	L3	TO	LD	TP	STPL	GAP	P/L USD	SPR
0.01	0.01	0.01	9999.00	1	1	1	20	S	0.000			4.00	1.2111
0.01	0.01	0.01	9999.00	1	1	1	20	S	0.000			0.74	1.3899
0.01	0.01	0.01	9999.00	1	1	1	20	S	0.000			0.25	0.7762

5) ALL (both OPEN & Pending) Orders to 0.0000



Change TP/SL, for ALL OPEN and Pending Orders to 0.0000

Set TP and SL for all orders at 0.0000 for open and pending

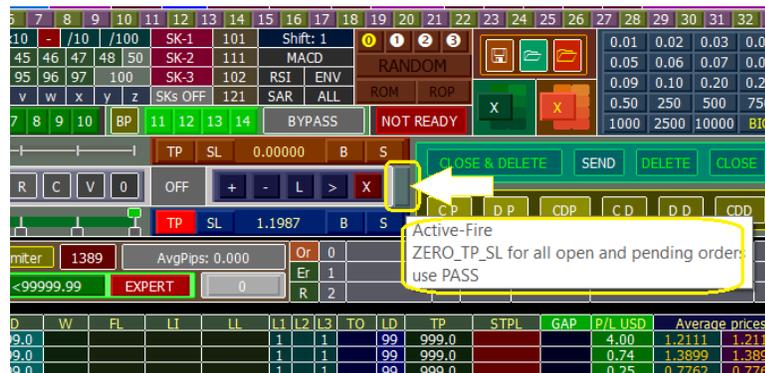
do you see semi-secret button!!

just click on **PASS** then on **it**.

and observe.

regardless of array

regardless of chart symbol



read "all orders" five times

i use **"and"** , not "or" in the title

try it please

"PASS" also pass **mouse clicks** if it is OFF.

26- Timers

1) Expert Timer

Post #5898



let us check the possible max pause order execution on max ranges:
expert: 3600 = 1 hour as mentioned yesterday
trading 360 updates.
iteration 6 minutes.

therefore if we choose these values, after **360 hours** (1 hour * 360 updates) first order will be executed,
then second order after 6 min and so on **till the last dashboard pair**,
then we wait another 360 hours

360 hours = **15 days** 😊

first order after 15 days
second order if any after 15 days plus 6 min (inside iteration loop over 28 pairs)

i explained in last 3 posts true situation--please read them carefully
for **normal** news volatility i recommend quick entries, to get best price level
but for **crackdown** volatility better higher timers.

quick best profits at shortest time comes from normal volatility--if possible all orders executed at the same moment

Post 7723

ExpertTimer is very important and must be compared to total number of group instruments:
let us say 1 seconds for each 10 pairs.

may this solve conjection on sacred chart!

now everything is completed 😊

2) Trading Timer



its measurement unit is **u** , not seconds

u: first letter of **u** pdates (special time unit)

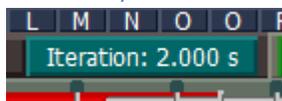
maramir: when i choose expert timer at 3 sec, that mean i will see data updates each 3 seconds. for example ASK/BID prices, and expert will make quick visit to order entry functions either one-time or repeat, etc...

minella: that is completely **wrong**. what you see **will be correct only in one case**: when TimerUpdate is 1.

NSC-Mal: i guess if TimerUpdate is 7 **u**, then dash values update plus trading functions will be updated each 21 seconds: $3 \text{ sec}/\mathbf{u} * 7 \mathbf{u} = 21 \text{ seconds}$

Macd-Rsi: yes MSC-Mal. that is exactly what must happen

3) ITERATION button



Post #5865

Iteration timer

one of most essential parts of the expert.

..
..
..
..

[do you remember GBP crash two years ago.](#)

for the same exact setting:

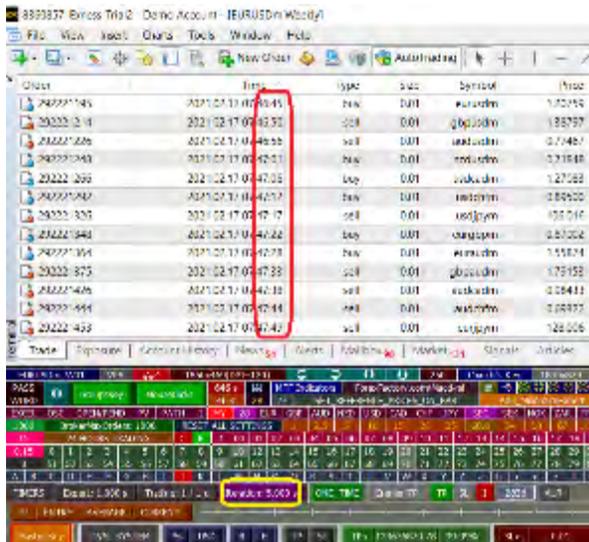
if you choose 0.0 second you **loss** your account

if you choose 20 seconds, your account is **doubled**

look at picture, i choose **iteration = 5 seconds** through CWC-method

look at orders list, each 5 second a new order, even condition are satisfied for each pair for many orders--i choose refOnBar **weekly**.

it is a matter of time.



some orders aftr **6 seconds!!!** you know processor issues and an internet status!! error of 1 second is tolerated.

new order entry is done when normal conditions is satisfied, then **after new order entry by some time**, TP of all ordrers of that pair will be changed, for all sell and all buy positions.

I is optional

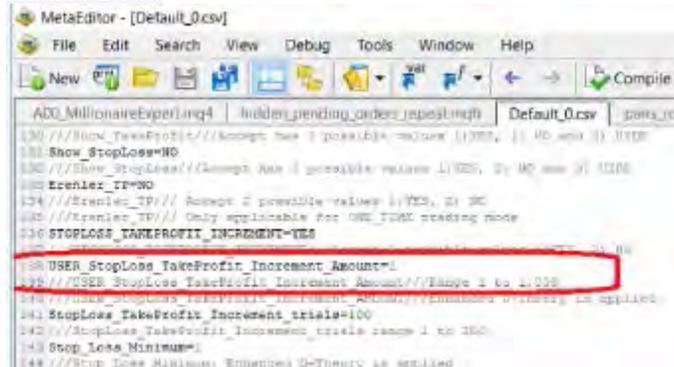
if you choose it--re I:

If broker accept your order, it is ok, no effect of I

But if your broker reject TP level due to stopLevel issues, the TP will be changed to far level. if it was originally at 1.1900, it will be changed to 1.8950 FOR EXAMPLE and so on till it wa accepted by the server.

change from 1.1900 (rejected value) to 1.18950, is detrmned by YOU, not by me, not by expert. **PLEASE READ 10 TIMES: ALL THE TIME EXPERT AND ME ARE 100% CORRECT.**

The reason is: **YOU** choose 1 at default, that mean 1 pip for EURUSD, 1 trippete for UT100----if you choose D100



LOOK AT COMMENT|: **enhanced-D-Thoeru** is applied--- that mean it will change 1 to 10 or 100 or kept it at 1

and since it is enhanced--for **BTCKRW**, 1 will be changed to 1000 for example.

if D100 is selected

and TP **originally** must be at **1.1900**

and increment is 1 pip

then if 1.1900 is rejected by your broker, TP will be changed to 1.1900 minus 1 pip = 1.1899, then if rejected will be changed to 1.1898, then 1.1897 and so on

but if you choose increment of 5,

1.1900
1.1895
1.1890
1.1885

till the order is modified by the server.

now zreboo: assume the order for any reason is rejected always by the server?? does the prev process is endless!! iteration continue for infinity???

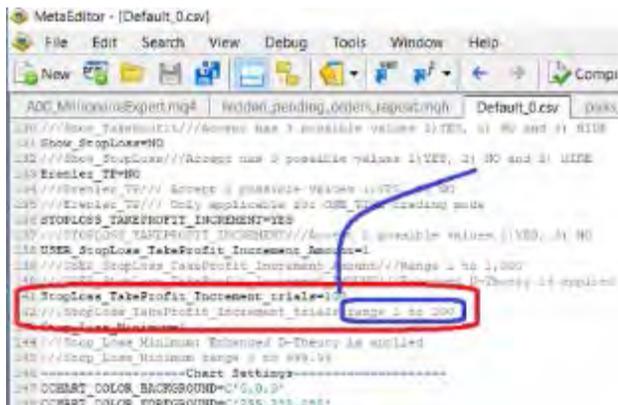
NO

REASON: because of YOU prevent endless loop, and expert makes limit b/w 1 and 200 of trials.

zreboo, not me neither expert, choose # of trials to be 100 times. zreboo in default setting make trials = 100

if zreboo make it **398**, will be rejected by expert and set at max of **200**

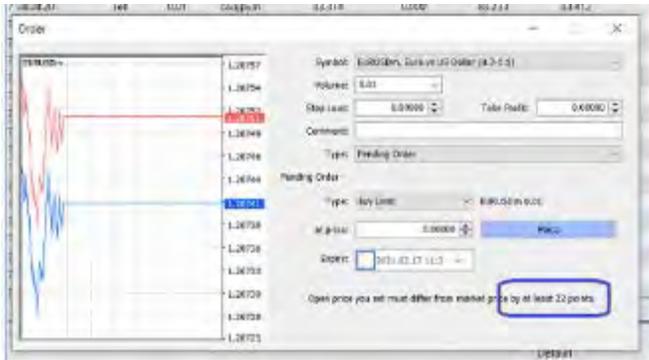
if zreboo by mistake make it 0 or negativ number expert will make it plus **1**



```
MetaEditor - [Default_0.csv]
File Edit Search View Debug Tools Window Help
New Open Recent Save Print Undo Redo Copy Paste Find Replace Compile
ADD_MillionsExpert.mq5 Hedden_pending_orders.mq5 Default_0.csv Digits
L11//Show TakeProfit//Account has 3 possible values 1)YES, 2) NO and 3) NONE
L12//Show StopLoss//Account has 3 possible values 1)YES, 2) NO and 3) NONE
L13//Enable TP=NO
L14//Enable TP// Account 3 possible values 1)YES, 2) NO
L15//Enable TP// Only applicable for ONE TP pending trade
L16//STOPLOSS TAKEPROFIT INCREMENT=100
L17//STOPLOSS TAKEPROFIT INCREMENT//Account 3 possible values 1)YES, 2) NO
L18//USER StopLoss TakeProfit Increment Amount=1
L19//ONE StopLoss TakeProfit Increment Amount//Range 1 to 1,000
L20//ONE StopLoss TakeProfit Increment Amount//Range 1 to 1,000
L21//StopLoss TakeProfit Increment trials=100
L22//StopLoss TakeProfit Increment trials Range 1 to 200
L23//Stop Loss Minimum Enhanced D-Theory is applied
L24//Stop Loss Minimum range 0 to 999.99
L25=====Chart Settings=====
L26 CHART_COLOR_BACKGROUND=C'0,0,0'
L27 CHART_COLOR_FOREGROUND=C'255,255,255'
```

th buckshop EXNESS, EURUSD stoplevel is 22 points = 2.2 pips

so if you make TP at current price, it will be rejected, and only you need 3 trials only 3trials is 3 pips = 30 point whicj is the nearest to 22



and as a trading culture, **zreboo (not me)** know his brokers conditions well before trading with them

i find **very smart solution** and also with less coding. guaranteed 100% look no delay

5 seconds mean 5 seconds 🤔🤔

92267871	2021.02.17 10:41:09	sell	0.02	eurjpy	116.419	0.0000	1.08
92267878	2021.02.17 10:41:14	buy	0.02	eurusd	1.17328	0.00000	1.67
92267894	2021.02.17 10:41:19	sell	0.02	gdpnzusd	1.52835	0.00000	1.52
92267900	2021.02.17 10:41:24	buy	0.02	eurusd	1.20643	0.00000	1.28
92267904	2021.02.17 11:43:20	buy	0.02	audusd	0.77492	0.00000	0.77
92267915	2021.02.17 11:43:34	buy	0.02	usdcad	0.71900	0.00000	0.71
92267963	2021.02.17 10:41:23	sell	0.02	usdcad	1.27072	0.00000	1.28
92267980	2021.02.17 10:41:44	sell	0.02	usdcad	0.89470	0.00000	0.89
92268022	2021.02.17 10:41:45	sell	0.02	usdcad	105.390	0.0000	105
92268031	2021.02.17 10:41:54	buy	0.02	eurjpy	116.419	0.0000	1.08
92268043	2021.02.17 10:41:59	buy	0.02	eurjpy	116.419	0.0000	1.08
92268085	2021.02.17 10:44:04	buy	0.02	eurjpy	116.419	0.0000	1.08
92268097	2021.02.17 10:44:09	buy	0.02	eurjpy	116.419	0.0000	1.08
92268108	2021.02.17 10:44:14	buy	0.02	eurjpy	116.419	0.0000	1.08
92268113	2021.02.17 10:44:19	sell	0.02	gdpnzusd	1.52835	0.0000	1.52
92268124	2021.02.17 10:44:24	buy	0.02	eurjpy	116.419	0.0000	1.08
92268132	2021.02.17 10:44:29	buy	0.01	eurjpy	116.419	0.00000	0.91
92268145	2021.02.17 10:44:34	buy	0.02	eurjpy	116.419	0.00000	0.91
92268154	2021.02.17 10:44:39	sell	0.02	gdpnzusd	1.52835	0.00000	1.52
92268165	2021.02.17 10:44:44	sell	0.02	eurjpy	116.419	0.00000	1.08

time pause b/w 2 orders is 5 seconds

4) Increment "I" button

now if I is OFF = gray color, **no increment will occur.**

if TP is rejected, expert will go to next order, and leave prev order as it is.



we add **I-button** for buckshop brokers like express.

I is the first letter of word **I**ncrement

BUT IF YOU CHOOSE D1

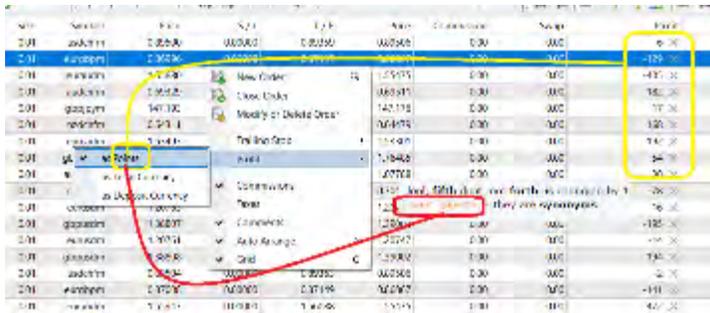


Your 1 in default file will be treated as a pipette, not pip therefore there will be 23 or 22 trials, instead of 3

1.19000
1.18999
1.18998

look, **fifth** digit, not **forth**, is changing by 1 point
point=pipette -- they are **synonyms**

do not forget **basics**: trading terminals only **know pipettes**. it will never recognize pip meaning



27- Time Bar (Trading Hours Allowed)



T = Broker Terminal Time

L = PC Local Time

1) How to set time for Expert trading

New Update:

Post 7340

phuclockbs

05 in red, just a type mistake

now you can set trading periods from default even in seconds 🤔

the total period you can make it only 3 seconds 😊

```

me_definitions.mqh | _A67_MillionaireExpert.mq4 | Defaults.csv | me_PANEL_13.mqh | me_PRE_C
434 DASHBOARD_SEPARATOR=10
435
436 -----Daily Trading Hours-----
437 ALLOW_24H_TRADING=true
438 //ALLOW_24H_TRADING// accepts 2 possible values: 1) TRUE 2) FALSE
439 TERMINAL_TIME_OR_LOCAL_PC_TIME=TERMINAL
440 //TERMINAL_TIME_OR_LOCAL_PC_TIME// accepts 2 values: 1) TERMINAL 2)
441 INITIAL_PERIOD_IN_MINUTES=60
442 //INITIAL_PERIOD_IN_MINUTES// Range from 5 min to 120 min is applie
443
444 START_TRADING_TIME_1=22:00:18
445 END_TRADING_TIME_1=02:00:00
446
447 START
448 END
449
450 START
451 END
452
453 START
454 END
455
456 START
457 END
458
459

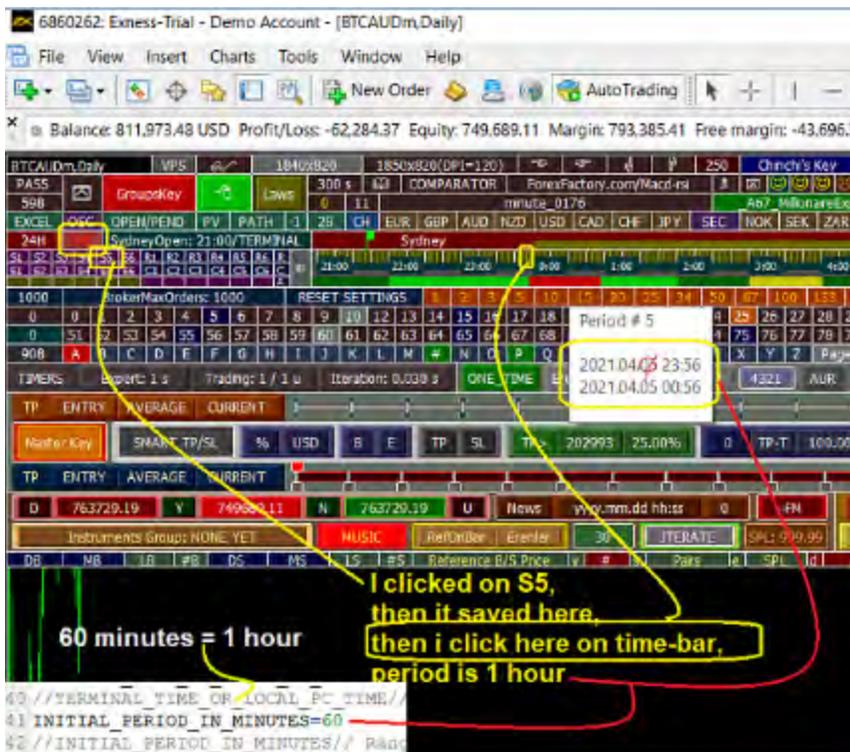
```

if you click on **S1**, it is red, then you click on time-bar, it will set strating time and at the same time end time of your initial default value, which is: . .

if you want to change period time end, for PERIOD_1, click then on **E1**, then click on time bar, far time

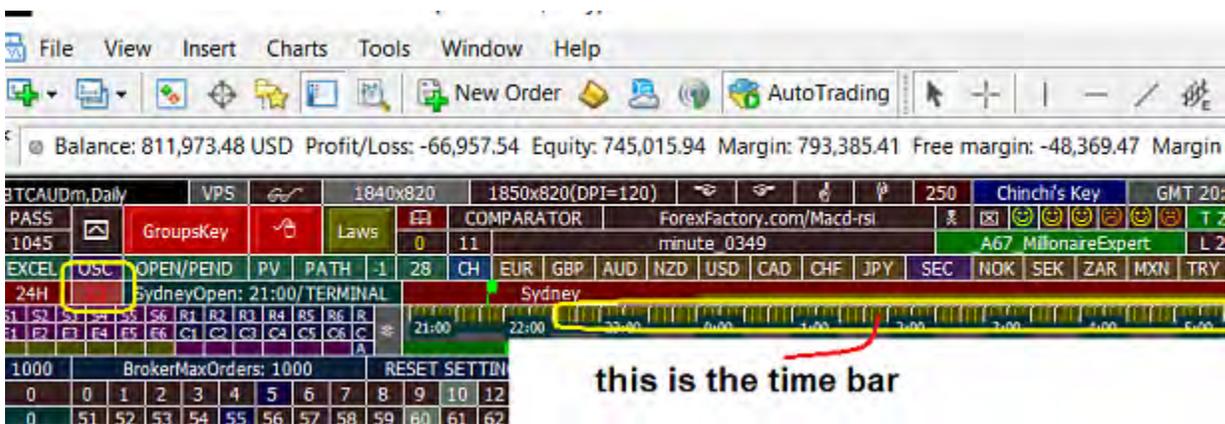
the last button you click on will be saved to know what to do in future, for example if you see **S2**, then better next click to be **E2**

at first with **Ss**, period as you set in the default, but later using **Es**, yu can change end time to make period shorter or longer.



what is better to click next?

ans E3---- since S3 saved for eyes.
it will not be saved until you click on time bar



if course you can click on others---but better to click on E3, sine you already set S3, start of PERIOD_3

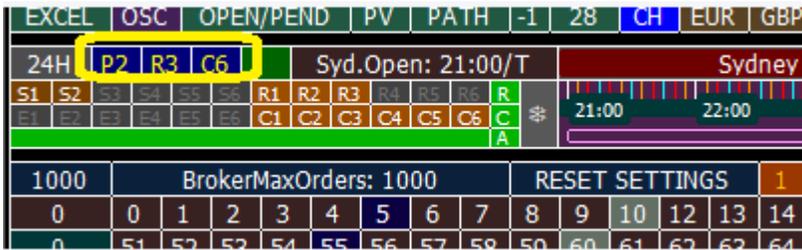
Post 7534

time--bar is now the smartest thing and **easiest** to imagine

also number of period of refs or closes, you can detrmine them-- up to max of 6.

all of that through defaults or CWC

P2: that mean you not me choose 2 trading **P**eriods
 R3: that mean you not me choose 3 **R**Eference-intervals
 C6: that mean you not me choose 6 **C**lose-intervals



look at picture only S1 and S2 with non dark gray color

3 Rs are non-dark because of you
 all 6 Cs are non-dark

dark-gray color = they does not exits

Post 7354

now all if possible check for Refs and CLOSES
 you have 6 times for both two

just first allow "R" and "C"
 another click dis-allow

follow the same proces: click R1, then click time-bar at any time point.

to test use time near to the pointer to check operation of **closing** or **referencing**.

ORANGE: CLOSE

BLUE: REF

Macd-rsi

Quoting phuclockbs

{quote} {image} {image} The date was corrected from 04 to 05 automatically. 👍

now all if possible check for Refs and CLOSES
 you have 6 times for both two

just first allow "R" and "C"
 another click dis-allow

follow the same proces: click R1, then click time-bar at any time point.

to test use time near to the pointer to check operation of **closing** or **referencing**.

ORANGE: CLOSE
BLUE: REF

 A screenshot of a trading interface similar to the one above. It features a grid of buttons for R1-R6 and C1-C6. The interface is annotated with yellow and blue circles. Yellow circles highlight the R1, R2, R3, C1, C2, C3, C4, C5, and C6 buttons. Blue circles highlight the time bar at 0:00, 1:00, 2:00, 3:00, and 4:00. Orange circles highlight the time bar at 0:00, 1:00, 2:00, 3:00, and 4:00. The text 'Macd-rsi' is visible at the top left, and 'Last Post: Apr' is at the top right.

[phuclockbs](#)

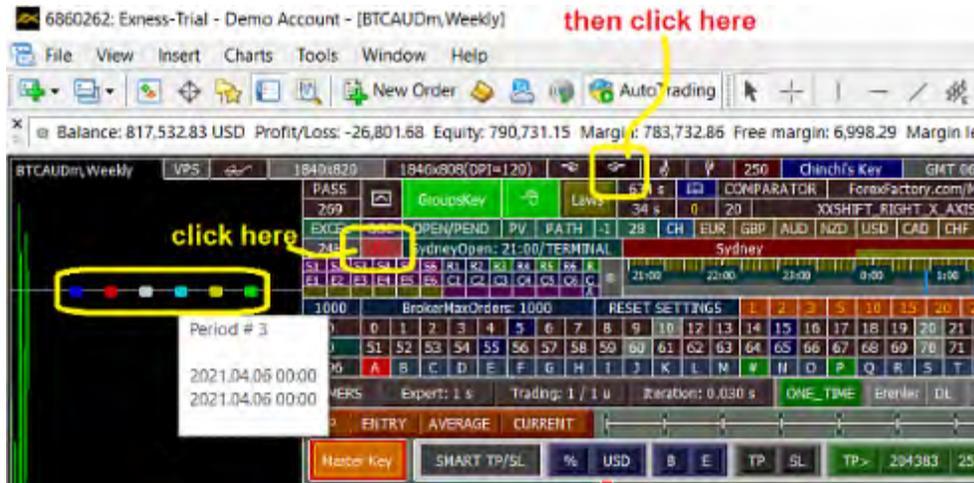
do you try setting trading times in default ans see changes on chart
make first 24h=NO to speed learning

if you make **start** at 13:00 **and** at lower value (against common sense) what will happen?

this is the best way to **cancel** some periods, as if they never exists

you may need only 2 or 3 periods out of these 6 choices

to cancel temporarily all periods without effecting any prev setting:



to retain: click again on that anonymous button

2) Trading Time Bar

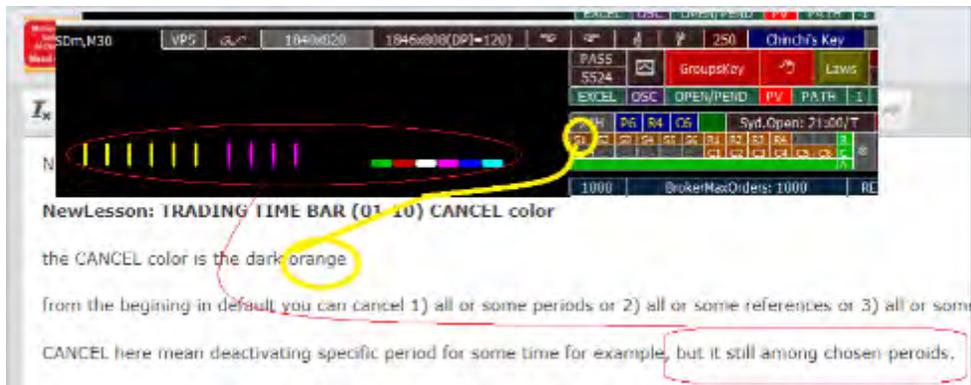
NewLesson: TRADING TIME BAR (01-10) CANCEL color

the CANCEL color is the dark orange

from the beginning in default you can cancel 1) all or some periods or 2) all or some references or 3) all or some closes moments.

CANCEL here mean deactivating specific period for some time for example, but it still among chosen periods.

look at all 16 objects--all in the past, --- CANCEL: epert make what has been cancelled in the past. so it unreachable



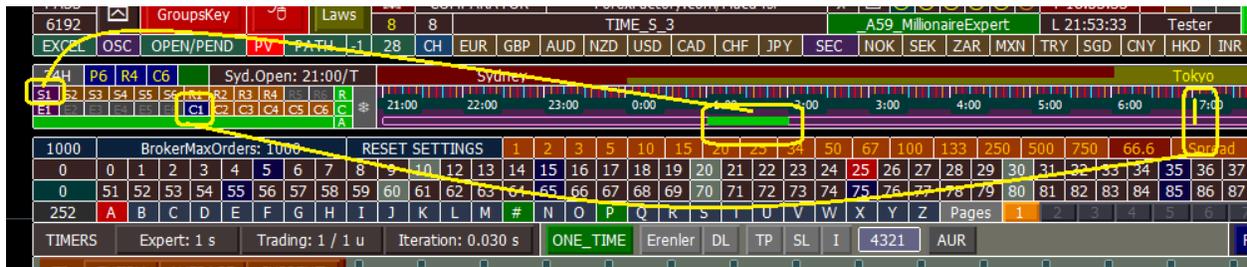
you not me, choose PERIOD_1 color in defaults to be LIME-color
 first click after dark-orange??

NewLesson: TRADING TIME BAR (02-10) How to activate specific P/C/R

just click on S1 to activate PERIOD_1 or any other S
 and click on R2 or any other R
 and CLICK on C3 or any other C

you will notice S1 color will be blue
 blue = you change P, R or C from CANCEL state to online-state--it is now will affect your trading

P here include (S and E)
 R for exsmple will be positioned according to your default value or last value you chose through CWC,
 before you CANCEL it minutes ago.
 i clicked on S1 and C1

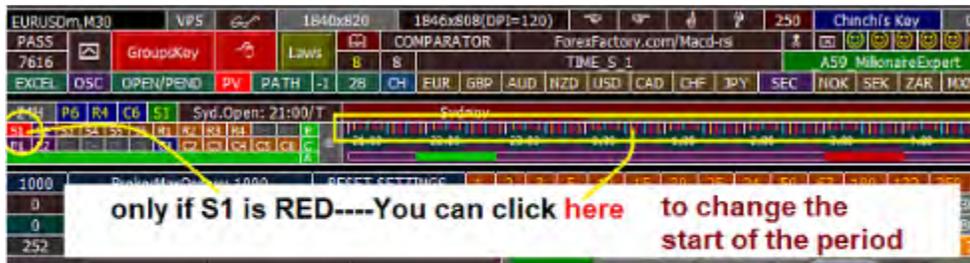


you not me, choose PERIOD_1 color in defaults to be LIME-color
 second click after dark-orange??

NewLesson: TRADING TIME BAR (03-10) to choose specific period (red S1)

we solve many issues using triple-click concept
 now you activate PERIOD_1 --- S1 is now not dark-orange--its blue-pink color
 second click will make it RED

only RED color allow you to click on time bar to change time period from 07:00-09:00 for example
 to 11:00-13:00
 assuming you set initial period at 120 minutes.



```

481 //DISABLE ALL BORDERNCBS// ACCF
482 DISABLE ALL_CLOSES=FALSE
483 //DISABLE ALL_CLOSES// accepts
484 INITIAL_PERIOD_IN_MINUTES=120
485 //INITIAL_PERIOD_IN_MINUTES// 1
486

```

the S1 button after bar-click will come bak to blue-pick color

third click you will CANCEL this period ----- dark orange state
 this is applied for all Ss, Rs, Cs, Es

NewLesson: TRADING TIME BAR (04-10) R1 is BLUE while R2 is GREEN
 that mean: if both are not darkOrange, nither DarkGray: **ON-status**--they are active.

R1 is **ON** and R2 is **ON**
 but

R2 after pointer: the expert will auto reference all prices when pointer reach R2 moment.
 R1 before pointer, there for no ref till next day when R1 becomes after pointer.

when pointer ref prices for one seconds, then it will bcome immediatly BLUE color and wait for next date.

is it clear? **phuclockbs?**

to test: make any R after pointer by 1 minutes and observe ref column on dashboard.

all these are applied also for C buttons.



NewLesson: TRADING TIME BAR (05-10) R3 is AQUA-color

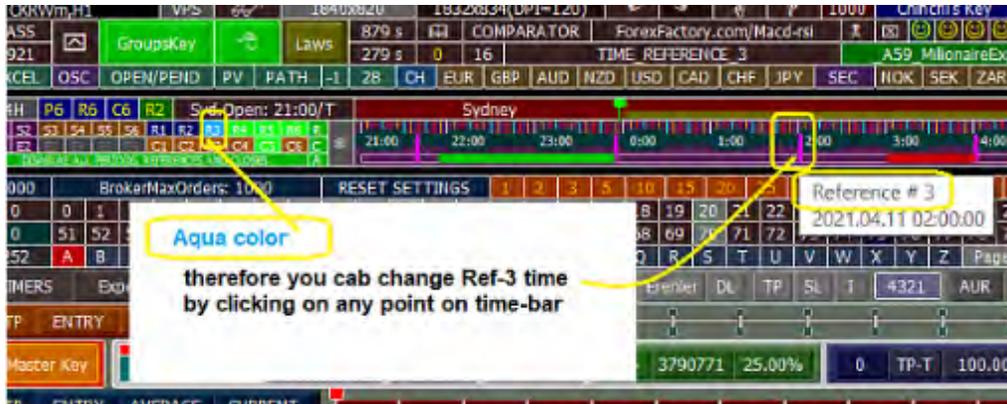
imagine R3 is Green (= ready to Ref when pointer reach it)

time now is 02:55

but you decide to change ref time from current R3 time which is 07:00 to time of 11:34
 since 07:00 > 02:55 we expect Green color

and now you click on R3 even it is green to change R3 time. we expect RED color
 but in this case: the color will be AQUA

AQUA: R3 current time is READY-TO REF+ you can change it on REF bar.



if you click on any time before pointer--you will see blue color instead of green or aqua.
aqua = readiness to change time even if it is under ready-to-ref state.
 is it clear?

and this is applied for all Rs and Cs

common sense say: **it is not applicable for Ss and Es?** mind can not imagine it since it is interval not a single one-time moments

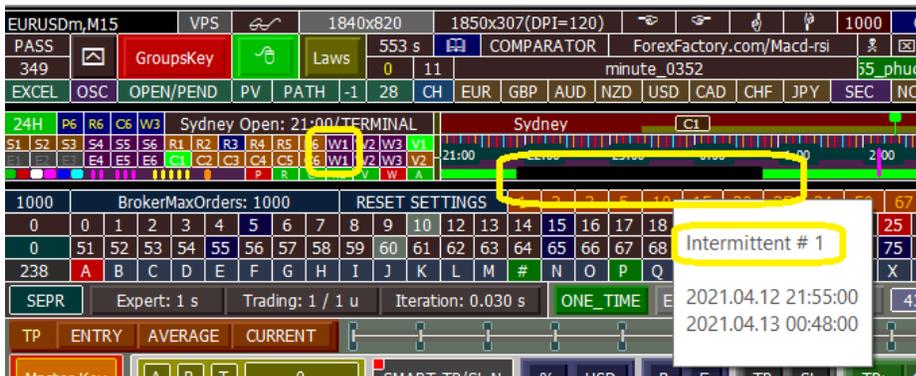
S1 to E1 is an interval - - - (interval = period)

while R1 and C1 is one-time moment in the day. it is a 1 millisecond moment or say 0 sec!

a) Black Bar – Intermittent Period (Wait Period)

black bar is an intermmitent period: W1 -- or wait period

even we choose 24H trading, but from 21:55 to 00:48 next day, no trading



you have a choice up to 3 intermittents in this expert

you can make it 1

or 2

or 3 intervals

no trading = no new entries, but reference and close and smart systems will work normally why? common sense rule.

no i will add **rotation**

for example you set start period at 17:17 and end period at 03:00

3 is lower than 17

in current version expert ignore it

rotation to make 17:17 this day and 03:00 next day

but will be drawn as green bar:

1- from 17:00 to 24:00

then

2- from 00:00 to 03:00

two segments for one eperiod

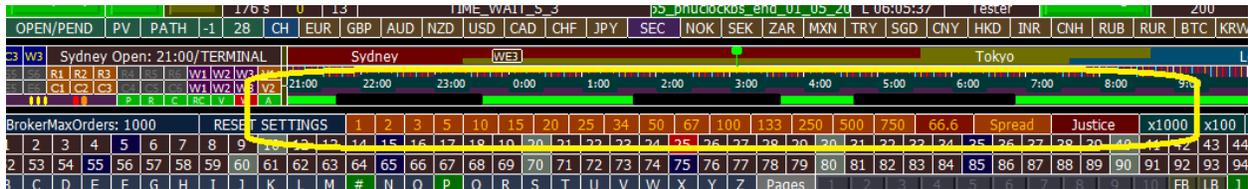
it is tough to code but i will try my bests!

do you notice condition # 7 at time 00:00 for one second??? is it orange at that moment??

notice this night if not if you choose any period till 23:59:59 and 24H is disabled

3 intermittemnts or trading-pauses

look how they displayed:



now to be linked to cond#7 (add live to this three black buttons)

pointer in black area: therefore 7 must be orange

in picture--lower right corner if you can see it is green--still not linked

always

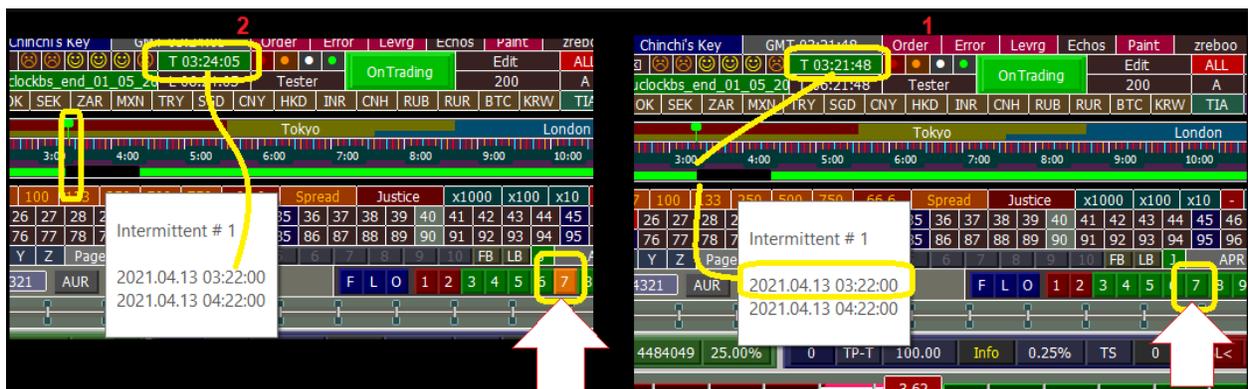
always believe condition#7, if you feel other things are ambiguous

COMPLETED: and tested successfully

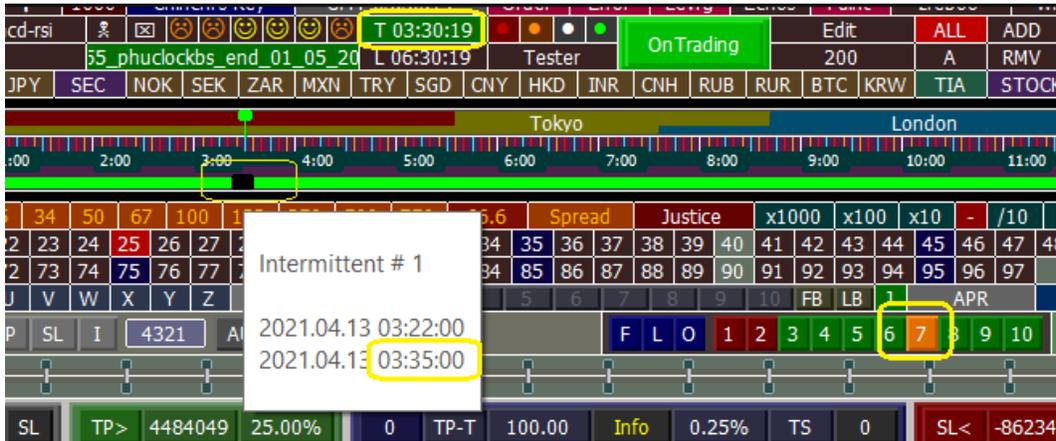
we finish reliability

we finish easiness

no check for coordination



after 5 minutes **condition#7** will be **ON** again

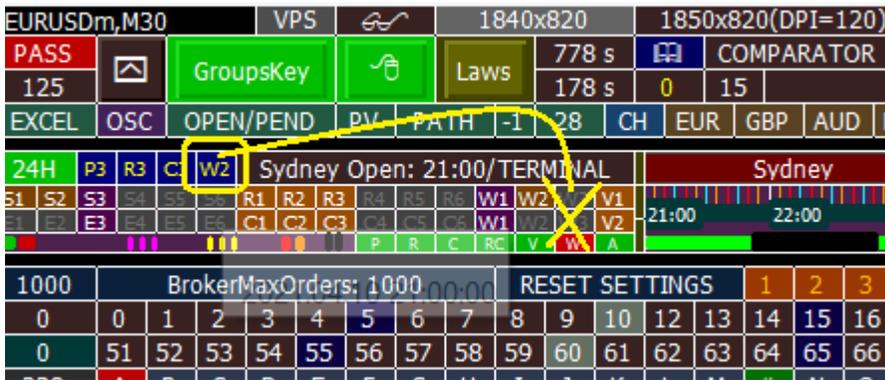


have many uses according to your needs.

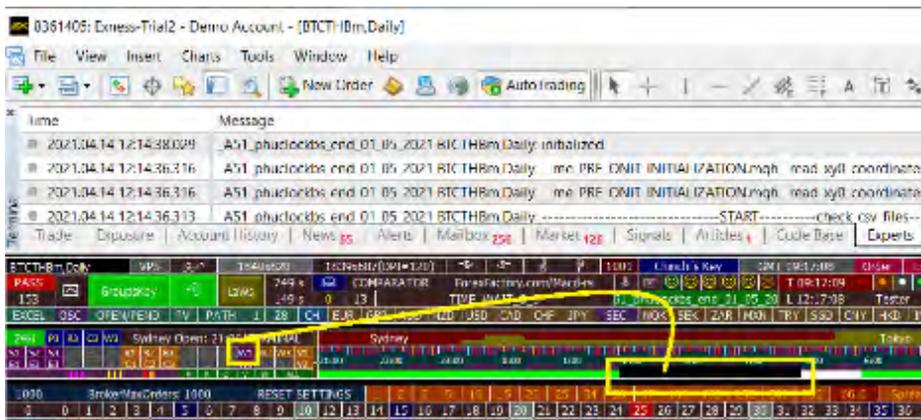
let us say you can filter 5 minutes during news or known volatile moments <--- opinion

always **do not** discuss or ask about opinions. your opinions may be better than others.

Similarly; you can change the **number** of "waits" using **CWC**:



BLACK BAR is thick **and must always be drawn over trading periods.**



black bar or what others call "WAIT" is just a pause of trading entries.
 but Cs and Rs are independent
 also smart TP system will work normally regardless of time bar status ON or OFF

Post #7821

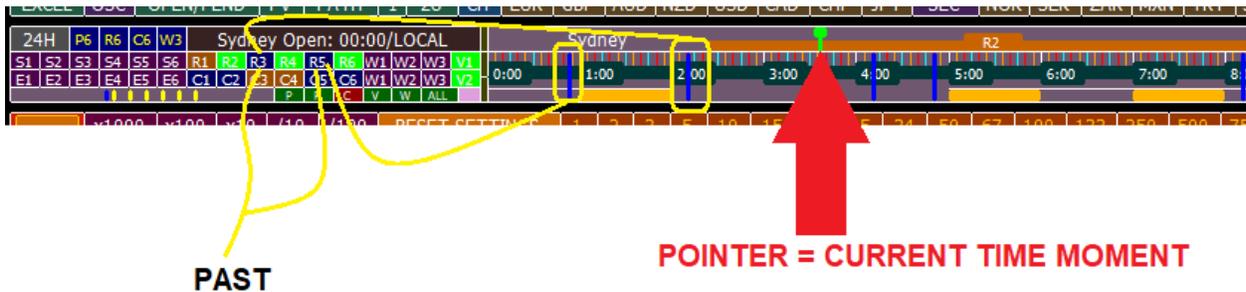
blue is the past
 green is the future

when **pointer** time passed ref or close or remove time ---- they are **past** ref/close/remove moments--
 blue

when **pointer** time not yet reaching ref or close or remove time ---- they are **future** ref/close/remove
 moments—green

when **pointer** time pass ref or close or remove time ---- they are past ref/close/remove moments--
 blue

R5 and R3 will not be green automatically **untill next day start.**



R3 and R5 are before pointer

b) Time Bar Color Coding

by common sense there is no green for PERIODS/WAITS
 since they are not **moments**,,, they are **intervals**

RED color is unique for all S-E-R-W-C-V
 red = if you click on time bar then the **time value will go to that button**
 you can not make two buttons red at the same time--against common sense.

for example if S1 is red
 then you click on timeBar, then the time value will go to S1, the start of PERIOD_1.

RED color is unique for all S-E-R-W-C-V
 f

but for moments ref/close/remove --- R/C/V it could be aqua, if you make it red but also in the future.
 aqua=red+green

Post 7896

"YES" mean red color for Ss, Es, Ws, Rs, Cs, Vs

"NO" mean blue color

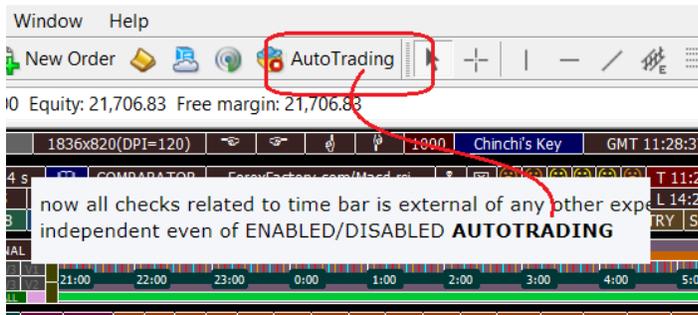
"CANCEL" dark orange color

THEN WILL BE ADJUSTED AUTOMATICALLY TO GREEN AGAIN AFTER 1 SECOND (exactly after your ExpertTimer)
and this ensure safety aganist un-expected triggers.



a) AUTOTRADING related post

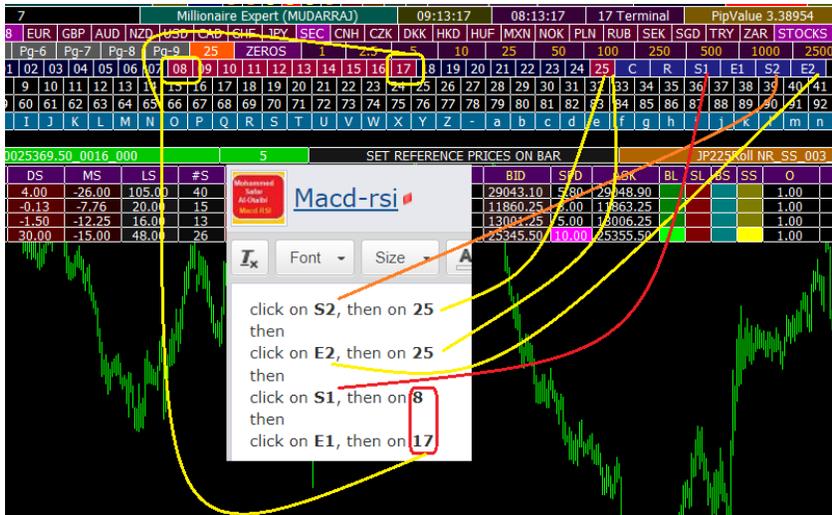
now all checks related to time bar is external of any other expert conitions independent even of ENABLED/DISABLED **AUTOTRADING**



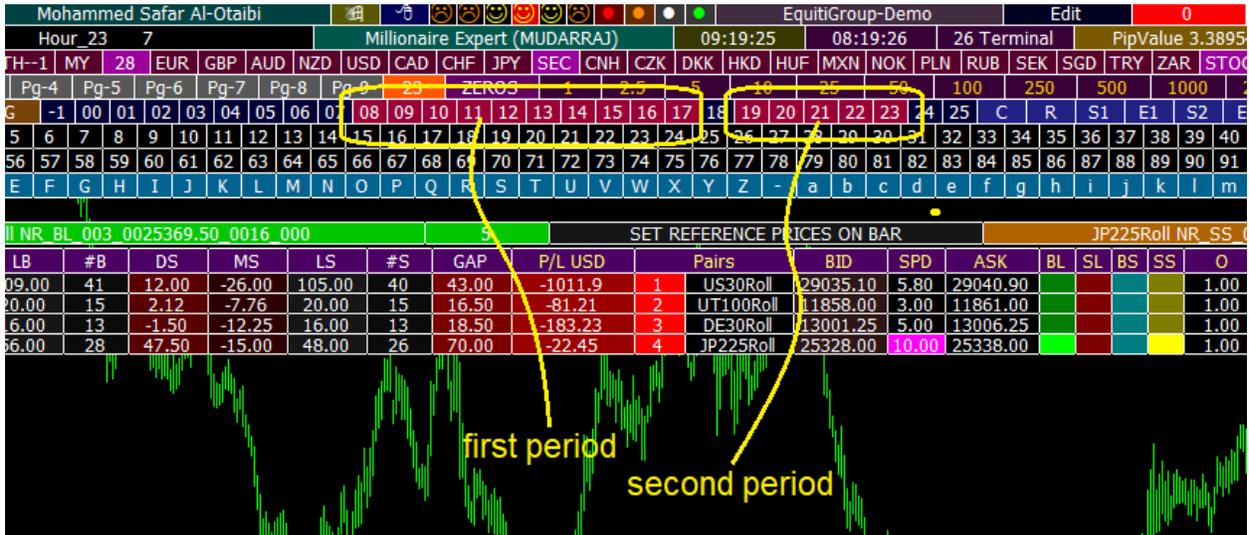
2) Archived

a) Normal – Single period

Allow trading for some period of time during the day, say: b/w **08:00 to 17:00** ??



The period b/w 08 and 17 will be brown colors--other are black colors-- now trading is allowed in this period 08.00-->17:00 during the day.



b) Double – 2 periods

there is a possibility for second trading period -- S2---E2 do this

follow the same procedure:

click on **S2**, then on **19**

then

click on **E2**, then on **23**

second period will be b/w 19:00 and 23:00

c) Whole Day trading (Default)

Whole Day trading:

if you to allow trading for the whole day--default
click on **S1** then **-1** then **E1** then **25**

that mean allow trading b/w hour -1 to hour 25 (out of mind)

or

click on **S2** then **-1** then **E2** then **25**

d) Next Day trading (Overnight)

#Post 1071

Sawadee: How to set timer for the trading period of 21:00 to 04:00 +1 (night day)

#Post 1073

We do not agree to ask tough question that i do not know how to answer it?
I am really lucky when i put two periods.

please try:

S1=-1

E1=4

S2=21

E2=25

are boxes 21--->4 are brown??

do you know why -1 and 25!

expert sense hours regardless of the days

e) Reference Hour

re: 59,976.51 USD Profit/Loss: -7,827.08 Equity: 52,149.43 Margin: 9,474.72 Free margin: 42,674.71 Margin level: 550.41%

Hour	07	7	Millionaire Expert (MUDARRAJ)																								09:23:52	08:23:52	52 Terminal				
PV	PATH--1	MY	28	EUR	GBP	AUD	NZD	USD	CAD	CHF	JPY	SEC	CNH	CZK	DKK	HKD	HUF	MXN	NOK	PLN	RUB	SEK	SGD										
Pg-3	Pg-4	Pg-5	Pg-6	Pg-7	Pg-8	Pg-9	7	ZEROS	1	2.5	5	10	25	50	100	250																	
TRADING	-1	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	C	R	S			
3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
4	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87
C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	-	a	b	c	d	e	f	g	h	i

P225Roll NR. BL_003_0025369.50_00

B	LB	#B	DS	M
.00	109.00	41	-14.00	-26
.74	20.00	15	0.74	-7.
.25	16.00	13	-6.00	-12
.00	56.00	28	30.00	-15

Macd-rsi

if you want to reference prices at some specific hour
click on **R** then click on that hour let us say **07:00**

reference hour box is green (actually lime)

if you want to reference prices at some specific hour,
click on **R** then click on that hour let us say **07:00**

at 07:00 the reference prices for all pairs will be changed to the openings of 07:00 candle

f) Close Hour

9,976.51 USD Profit/Loss: -8,379.54 Equity: 51,596.97 Margin: 9,474.72 Free margin: 42,122.25 Margin level: 544.58%

Mohammed Safar Al-Otaibi EquitiGroup-Demo Edit

Hour_05 7 Millionaire Expert (MUDARRAJ) 09:27:10 08:27:10 10 Terminal PipValue

PATH--1	MY	28	EUR	GBP	AUD	NZD	USD	CAD	CHF	JPY	SEC	CNH	CZK	DKK	HKD	HUF	MXN	NOK	PLN	RUB	SEK	SGD	TRY	ZA																														
F-3	Pg-4	Pg-5	Pg-6	Pg-7	Pg-8	Pg-9	5	ZEROS	1	2.5	5	10	25	50	100	250	500	1000																																				
DING	-1	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	C	R	S1	E1																							
4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38																				
35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	-	a	b	c	d	e	f	g	h	i	j	k																				

Macd-rsi

if due to some reason you want to close all positions simply click on C box then click on 5 box.

close hour is red

if due to some reason you want to close all positions at some specific hour, let us say 05:00 and start over again, simply click on C box then click on 5 box.

g) Cancel Operation

if you change R and C to suitable day hours and now you want to cancel the operation---just click on letter then on "-1" or "25" since your PC or terminal will never hour called minus 1 or 25 ??? !

h) 24-HOURS TRADING box

24-HOURS TRADING

Macd-rsi

NEXT LESSON:
24-HOURS-TRADING box
aim is to allow trading for 24 hours, cancel S1,S2,E1,E2 values,
unfortunately i forget to add live to this box-- this minor error will be
now if you click on it, nothing will change.

24-HOURS-TRADING box

iam is to allow trading for 24 hours, cancel S1,S2,E1,E2 values,

28- Current Time Line – Pointer

notice **small vertical white line** above word **Sydney** 😊 in your last post picture.

this line is moving to the right each 1 minute.

the total 4 sessions bar is actually 1440 bar,-----60 min *24 hour = 1440 minutes = 1 day

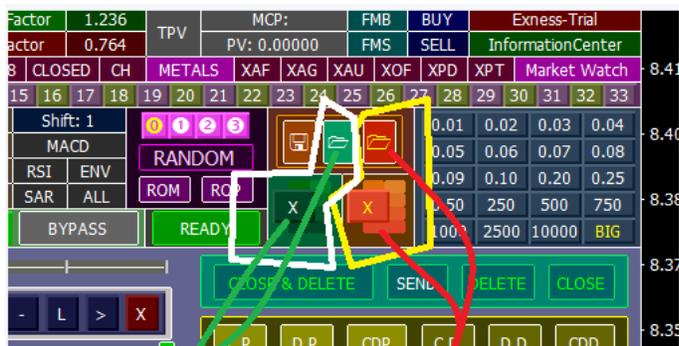


29- How to use SavedSetting

Updated:

Post 5382

Orang and Green EXCEL Files



Orange: include also saved ref prices

Green: refrence at current prices

Do the folloing please in sequence:

- 1 - choose EUR-red (famous 7 pairs)
- 2- make all your setting, including referencing, onl pair EURGBP, deactivate (click orange-5 then refer box then pairs box, then click on EURGBP to deactivate)
- 3- click on "SAVED-SETTING " BOX (First click on SM-1 to be green)
- 4--Damage all your setting by choosing box "MY" for example
- 5- click on import AutoSet box (First click on SM-1 to be green)
- a----click on IMPORT word, (First click on SM-1 to be green)
- b----then after 5 second click on AUTOSSET word, what you notice?

"Import AutoSetting" box

you see one box, but you see two words inside:

Import word: when you click on will retrieve all your old setting, including refPrices

AutoSetting word: the same thing will happen but refPrices are updated. without changing in old file, and refPrice value

==ignore excel csv values and put the current prices as the ref price.

is it clear?

no everthing is explained--no more to say about autosaving and retrieving(two cases)

for one who want to validate this post, please the shole test process should not exceed, 5 mimutes do not go to excel file, do not open anything else other than your terminal

just follow the last post 5 steps

1 - choose EUR-red (famous 7 pairs)

2- make all your setting, including referencing, onl pair EURGBP, deactivate (click orange-5 then refer box then pairs box, then click on EURGBP to deactivate)

3- click on "SAVED-SETTING " BOX (First click on SM-1 to be green)

4--Damage all your setting by choosing box "MY" for example

5- click on import AutoSet box (First click on SM-1 to be green)--data retrieved??

--a----click on IMPORT word, (First click on SM-1 to be green)--data retrieved??

--b----then after 5 second click on AUTOSET word, what you notice?--data retrieved??



please all read picture below 5 times.

know the arrangement of buttons----they should be arranged in excel as have been arranged on picture, for all **20 variables** (not 19, not 21--we say: 20)

#S	Reference B/S Price	Pairs	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
1	22.593	22.575	22.590	1.8	22.572																
2	2295.12	12292.12	29852.40	5.80	29846.60					1.00	1.00		1.00	1.00	9999.00	1	1	1	96	96	30.00
3	12295.12	12292.12	UT100Roll	12294.50	3.00	12291.50				1.00	1.00		1.00	1.00	9999.00	1	1	1	96	96	30.00
4	13324.00	13319.00	DE30Roll	13322.75	5.00	13317.75				1.00	1.00		1.00	1.00	9999.00	1	1	1	96	96	30.00

how many buttons enclosed inside yellow circles?

Ans: 20 boxes

Then, in EXCEL file each row must have 20 cells, keeping 20 values arranged as encircled in last picture, first refBuy, then refSell, then "ON or OFF" status, then pairName, then BL,SL,SL,SS and so on till TP.

MetaEditor - [SavedSetting.csv]

File Edit Search View Debug Tools Window Help

Navigator

- EXCELS
- EXCEL_PAIRS_1.csv
- EXCEL_PAIRS_2.csv
- EXCEL_PAIRS_3.CSV
- EXCEL_PAIRS_4.CSV
- NewsCalendar.csv
- SavedSetting.csv
- UserSetting.csv

```

1 22.757;22.739;NO;SIH1;BL;SL;BS;SS;10;10;0;1;1;9999;1;1;1;96;96;300
2 29910.9;29909.6;NO;US30Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
3 12307.38;12306;NO;UT100Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
4 13369.25;13363.25;NO;DE30Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
5 26808;26800.5;NO;JP225Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
6 26955.5;26949.5;NO;HK50Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
7 6604.4;6600.5;NO;AUS200Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
8 5617.8;5615;NO;FRA40Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
9 8115.5;8110;NO;ESP35Roll;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
10 10000;10000;NO;SIH2;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
11 10000;10000;NO;SIH3;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
12 10000;10000;NO;SIH4;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
13 10000;10000;NO;SIH5;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
14 10000;10000;NO;SIH6;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
15 10000;10000;NO;SIH7;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
16 10000;10000;NO;SIH8;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
17 10000;10000;NO;SIH9;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
18 10000;10000;NO;SIH10;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
19 10000;10000;NO;SIH11;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000
20 10000;10000;NO;SIH12;BL;SL;BS;SS;100;100;0;1;1;9999;1;1;1;96;96;3000

```

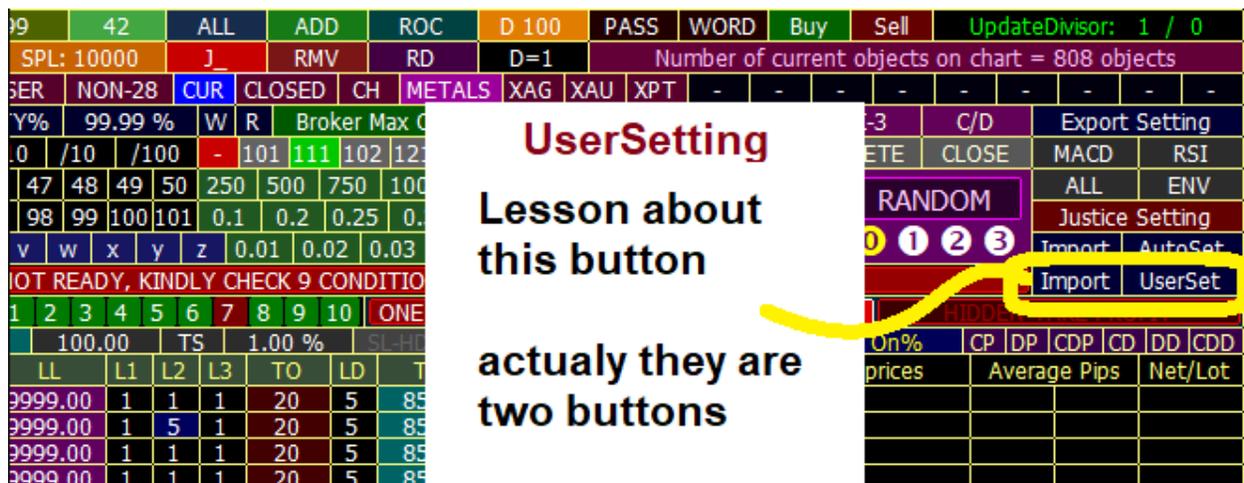
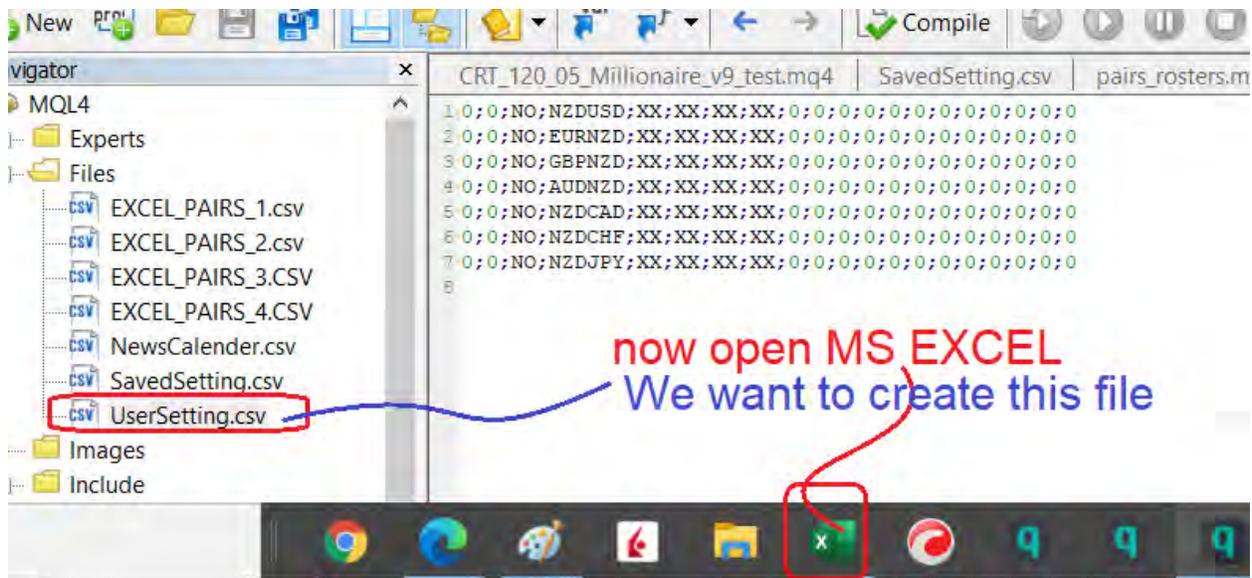
30- How to use UserSetting

here forget about data saved

you go to excel then prepare **your permanent** setting, that may you isist on for 2 years. you are free in everthing except 4 things:

- 1--file name must be "UserSetting.csv" ----
- 2- each rwo in excel must have 20 elements arranged as how arranged in saved setting
- 3- file must be saved under *MQL4\FILES*
- 4-HIGHLY RECOMMENDED: you had better start from first row

this is more **dynamic**, since you set each variable independetly upon you futuer plan



The **big advantage** of the second approach, that you write data at once, then it will be your setting for many years if you like.

you can also bypass sparam-Group and go directly to your selected pairs.

To recall your manual setting simply:

1- click on SK-1,SK-2,SK-3, then

2- Click on Import/ User Setting

-----a: if you clicked on word import will retrieve all setting as it is

-----b: if you click on UserSetting word also will retrieve all data as it is except refPrices will be updated on dashboard according to current prices, without any change to excel contents.

Create excel File

But wait, before you recall any data(your setting), you must first create that data.

Open excel then name a new file. File name must be "**UserSetting**" with extension "***.csv**" or you can download ready-made sample csv file below, then proceed with your modifications upon your desire.

UserSetting.csv

Why the name must be "UserSetting" and extension to be "csv" ?

ans: simple reason--the source code enforce you to do that--you have no choices.

look at sample code:

```
int i=-1;
int file_handle_2=FileOpen("UserSetting.csv",FILE_READ|FILE_CSV,",");
if(file_handle_2!=INVALID_HANDLE)
{
```

arabic KeyBorad ??

T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A	
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURUSD	NO	1.12355	1.12345	1
850	5	20	1	5	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURGBP	NO	1.12355	1.12345	2
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURAUD	NO	1.12355	1.12345	3
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURNZD	YES	1.12355	1.12345	4
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCAD	NO	1.12355	1.12345	5
999	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCHF	NO	1.12355	1.12345	6
850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURJPY	NO	1.12355	1.12345	7
20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	8

Reference B/S Price	Pairs	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
2.00000	1.00000	1	EURUSD	1.21221	2.1	1.21200			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

ON EXCEL USER SETTING

Filling Excel cells

for each instrument, there must be **1 row with 20 columns**

and as explained earlier, the arrangement of 20 variables must be as arranged on dashboard.

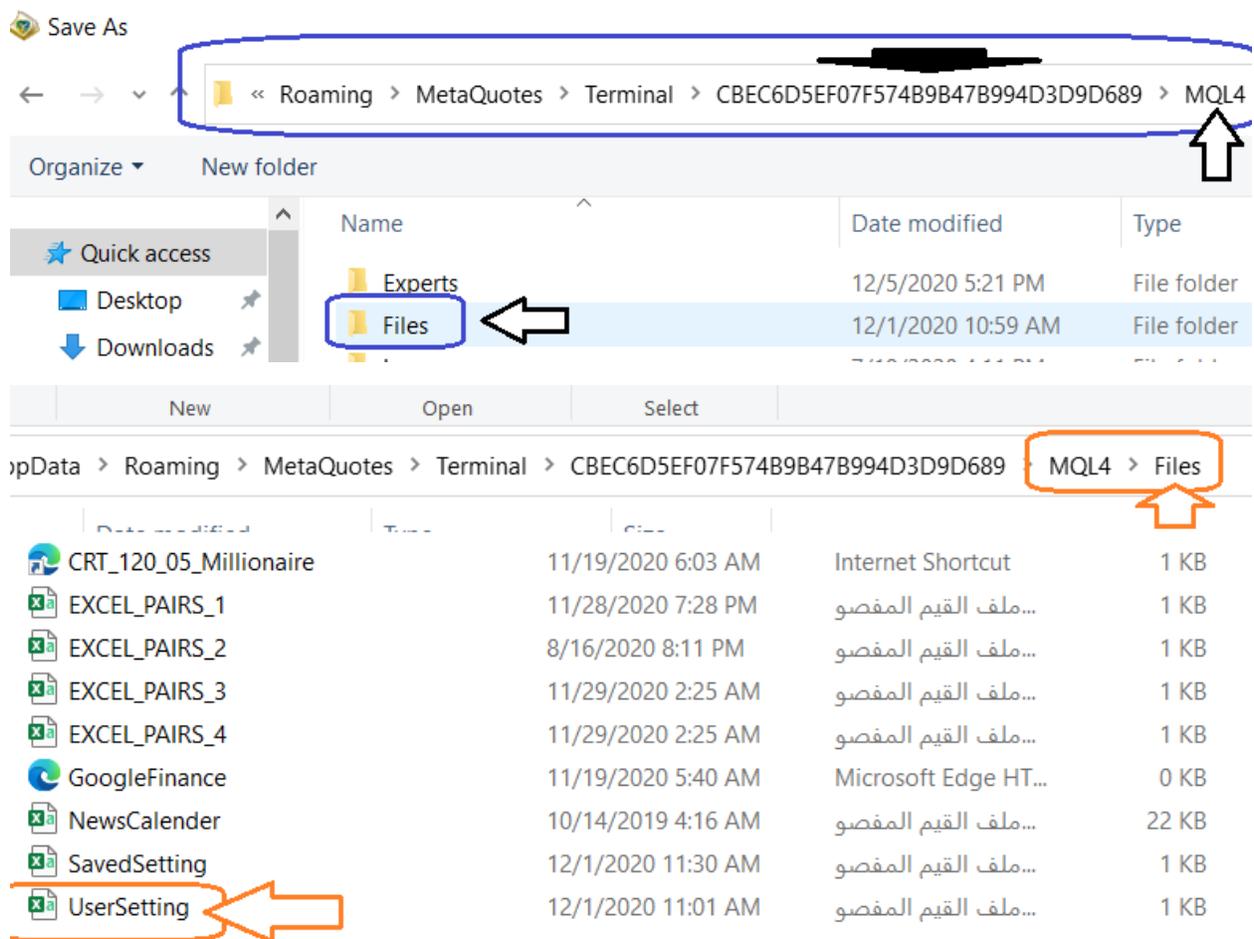
For pair#1:

- 1-Fill A1 cell with your **refBuy** price, you can make it zero if not to be used
- 2-Fill B1 cell with your **refSell** price, you can make it zero if not to be used
- 3-Fill C1 cell with either "**YES**" or "**NO**" - all upper case capital letters- to activate or deactivate pair. YES ordinal number box will be RED.
- 4-Fill D1 cell with pair name. Better to be identical to your broker naming.
- 5-Fill E1 cell with BL value, either "**BL**" or "**XX**" - all upper case capital letters- **BL** activated , **XX** deactivated
- 6-Fill F1 cell with SL value, either "**SL**" or "**XX**" - all upper case capital letters- **SL** activated , **XX** deactivated
- 7-Fill G1 cell with BS value, either "**BS**" or "**XX**" - all upper case capital letters- **BS** activated , **XX** deactivated
- 8-Fill H1 cell with SS value, either "**SS**" or "**XX**" - all upper case capital letters- **SS** activated , **XX** deactivated
- 09-Fill I1 cell with **O** (offset) +ve integer value--program will say it as a pipette, if you want 5 pips according to traditional concept, edit 50.
- 10-Fill J1 cell with **D** (Difference) +ve integer value--program will say it as a pipette, this gives you more generalization

- 11-Fill K1 cell with **W** (Widening) +ve or -ve integer value.
- 12-Fill L1 cell with First order Lot **FL** value. It could be integer or float number but not 0. Match it as possible to your broker conditions
- 13-Fill M1 cell with Lot Increment **LI** value. It could be integer or float number but not 0. Match it as possible to your broker conditions
- 14-Fill N1 cell with pairLotLimiter **LL** value. Float or integer number-depends on your needs.
- 15-Fill O1 cell with LotMultiplier-1 **L1**, it must be within limit 1 to 9.
- 16-Fill P1 cell with LotMultiplier-2 **L2**, it must be within limit 0 to 9.
- 17-Fill Q1 cell with LotMultiplier-3 **L3**, it must be within limit 1 to 9. better to make it all the time 1.

- 18-Fill R1 cell with **TO** (TotalOrdersPerPairInOneDirection TOPPIOD) +ve integer value. By mere logic it must ne integer.
- 19-Fill S1 cell with **LD** (LaDder) +ve integer value
- 20-Fill T1 cell with **TP** (TakeProfit) value in pipettes. Program will say it as a pipette, if you want 50 pips according to traditional concept, edit 500.

Where to save your csv file?
 ans: under yourBroker pathname MQL4//File folder:



What will happen if you mis-spelled pair name, or write your name instead of pair correct name format??

look at the picture:

exper will cancel all wrong pairs elemnts except showing wrong pair name with darkened ingray colors!
 expert will work properly for other six pairs
 and when you see something wrong like this-you can modify it or even leave it!! will not affacet anything else!

	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A	
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURUSD	NO	1.12355	1.12345	1
	850	5	20	1	5	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURGBP	NO	1.12355	1.12345	2
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	ZORAFX	NO	1.12355	1.12345	3
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURNZD	YES	1.12355	1.12345	4
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCAD	NO	1.12355	1.12345	5
	999	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCHF	NO	1.12355	1.12345	6
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURJPY	NO	1.12355	1.12345	7
	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	8
																					9

EMENT	999999999.99	Day	999.99%	24H	OnEquity	Eq > 20000.00	Eq < 0.01	SL-CLS	100.00	TS	1.00 %	SL-BPG								
Reference B/S Price	Pairs	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP
2.00000	1.00000	1	EURUSD	1.21221	2.1	1.21200			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0
2.00000	0.80000	2	EURGBP	0.90232	5.5	0.90177			50.0	50.0		0.01	0.01	9999.00	1	5	1	20	5	85.0
5.00000	1.00000	4	EURNZD	1.72237	9.2	1.72145			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0
2.00000	1.00000	5	EURCAD	1.55007	7.6	1.54931			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0
2.00000	1.00000	6	EURCHF	1.08118	4.7	1.08071			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	99.9
112.000	125.000	7	EURJPY	126.310	4.3	126.267			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0

what will happen if you make any row with 21 values!
 picture answer
 this approach you may do it one time in your live trading!
 any error expert will expose it!

Reference B/S Price	Pairs	ASK	SPD	BID	BL	SL	BS	SS	O	D	W	FL	LI	LL	L1	L2	L3	TO	LD	TP	GAP	P/L USD
2.00000	1.00000	1	EURUSD	1.21221	2.1	1.21200			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0	9997.9	
2.00000	0.80000	2	EURGBP	0.90232	5.5	0.90177			50.0	50.0		0.01	0.01	9999.00	1	5	1	20	5	85.0	11994.5	
2.00000	1.00000	3	EURAUD	1.63245	5.4	1.63191			50.0	50.0		0.01	0.01	9999.00	1	1	1	20	5	85.0	9994.6	
LAST CORRECT VALUE																						
YES																						
NO																						
NO																						
NO																						
8		1.21221	2.1	1.21200																		

YOU ADD BY MISTAKE 21 ROW VALUES INSTEAD OF 20
 Therefore everything after will go wrong!
 so please do everything as has been explained - it is a money!

U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A	
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURUSD	NO	1.12355	1.12345	1
	850	5	20	1	5	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURGBP	NO	1.12355	1.12345	2
66	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURAUD	NO	1.12355	1.12345	3
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURNZD	YES	1.12355	1.12345	4
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCAD	NO	1.12355	1.12345	5
	999	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURCHF	NO	1.12355	1.12345	6
	850	5	20	1	1	1	9999	0.01	0.01	0	500	500	XX	XX	SL	BL	EURJPY	NO	1.12355	1.12345	7

look at o column in your picture
 expert converted first to pipettes, if they originally not pipettes
 expert know in advance, your intention is **pipettes** or **tripettes** or **pips**
 pipetts always correct for all broker for all pairs. no way for mistakes with **pipette**
 impossible
 just to know that excel setting show pipettes
then program later convert to pips or tripettes.
 and that the best thing you can imagine in programming.

31- Other Default Files Settings

1) Default Color Settings

i) Group Three Colors

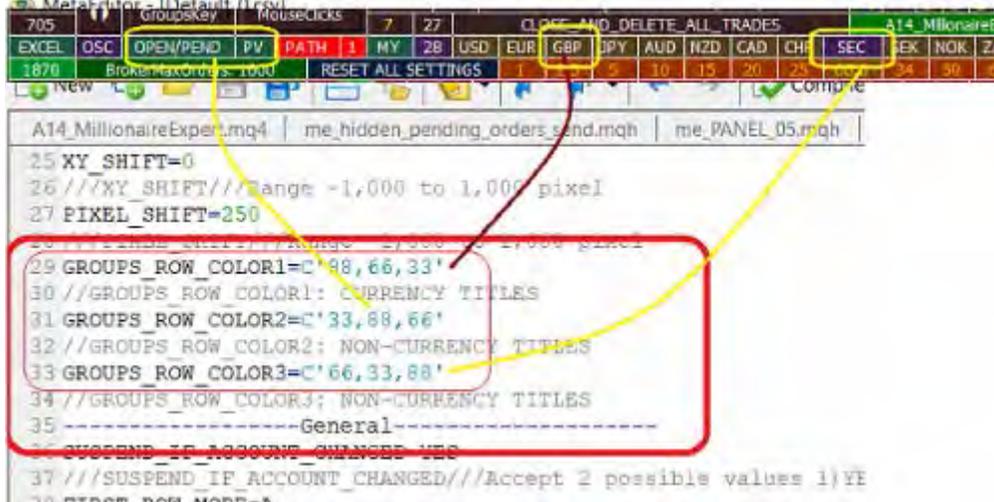
anybody notice these 3 parameters:

GROUPS_ROW_COLOR1=C'88,66,33'

GROUPS_ROW_COLOR2=C'33,88,66'

GROUPS_ROW_COLOR3=C'66,33,88'

they all are related to currency groups---third row in the upper part:



try it please

play with color numbers

do not forget max is 255

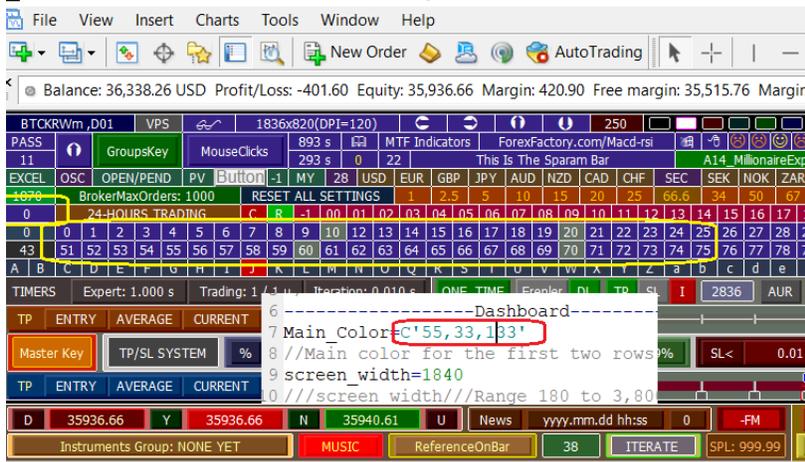
ii) Main Color for first 3 rows + others

play with **Main_Color** value until you reach what is convenient for your eyes:



it also include dummies from 0 to 100 plus SK-1 color and other elements

below i make it inclined to BLUE---mix with blue concentration



please do not tell others with the best colors. they can freely decide. no best here.
it is recommended to avoid GREEN/RED colors

2) Dashboard Arrays Initialization

Dashboard Arrays Initialization

last months when you choose any currency group, you find some arrays are filled by some values. no it is your freedom to make these values during any initialization steps.

```

71 -----Dashboard Arrays Initialization-----
72 ALL_GROUP_PAIRS_ACTIVATE=NO
73 //PAIRS_SELECT, accept two values 1) YES and 2) NO ; used to activate all pairs to
74 REFERENCE_PRICES_ON_CURRENT_ASKS_BID=NO
75 //REFERENCE_PRICES_ON_CURRENT_ASKS_BID, accept two values 1) YES and 2) NO ; default
76 O=115
77 //DEPSET PIPS, RANGE: 1 to 9999.9
78 D=115
79 //DIFFERENCE PIPS, RANGE: 1 to 9999.9
80 W=1
81 //WIDER PIP, RANGE: -99.9 to 99.9
82 AFRAID_BIAS_BUY=N
83 //Buy AFRAID or BIAS, accept 4 values 1) A, 2) B, 3) W and 4) X
84 AFRAID_BIAS_SELL=W
85 //SELL AFRAID or BIAS, accept 4 values 1) A, 2) B, 3) W and 4) X
86 BL=BL
87 //BuyLimit status, accept two values 1) XX(for any) and 2) BL
88 SL=SL
89 //SellLimit status, accept two values 1) XX(for any) and 2) SL
90 BS=XX
91 //BuyStop status, accept two values 1) XX(for any) and 2) BS
92 SS=XX
93 //SellStop status, accept two values 1) SL(for any) and 2) SS
94 FL=0.0
95 //First order lots, Range: 0.1 to MaxBrokerLots for each pair
96 LT=0.01
97 //Lots Increment, Range: 0.0 to MaxBrokerLots for each pair
98 LL=0.07
99 //MAXIMUM_PAIR_LOTS FOR EACH DIRECTION//Range 0.01 to 9999.9
100 LI=1
101 //Lot multiplier L1//Range 0.10 to 9.00
102 L2=1
103 //Lot multiplier L2//Range 0.00 to 9.00
104 L3=1
105 //Lot multiplier L3//Range 0.10 to 9.00
106 TO=11
107 //total orders per pair in one direction TOPRO//range 1 to 999
108 LD=3
109 //Lots Locked//Range 1 to 99
110 TP=500
111 //Order VaporoFit//Range 1 to 9999.9
112 STPL=5000
113 //Order StopLoss//Range 0 to 9999.9

```

3) Repeat-mode TP-Shown

do you remember when we say even TP is always hidden for repeat mode, there is an option to show double of that TP.

Reason, in case of your PC is suddenly sgut off,

now forget word "double"

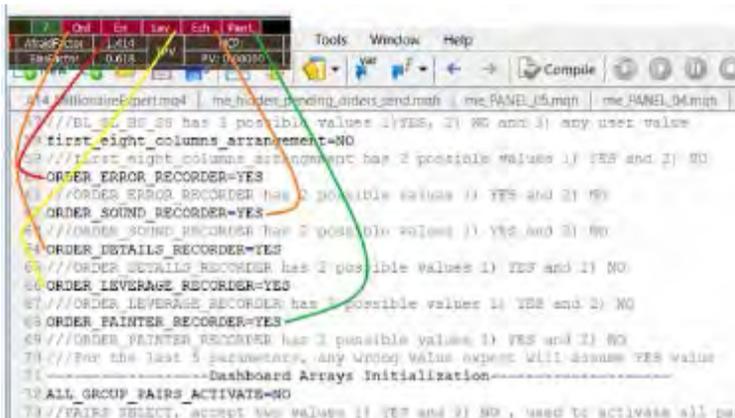
now **you** decide.

you can make it **double** or triple or even 1.76 of hidden TP.

TP_MULTIPLIER_IN_REPEAT_MODE

```
231 ///DELETE_ORDERS_TRIALS range 1 to 5
232 TRAILING_AMOUNT_STEPS=25
233 ///TRAILING_AMOUNT_STEPS range 0.01 to 25,000
234 TRAILING_PERCENTAGE_STEPS=1
235 ///TRAILING_PERCENTAGE_STEPS range 0.01% to 99.99%
236 TP_MULTIPLIER_IN_REPEAT_MODE=2
237 ///TP_MULTIPLIER_IN_REPEAT_MODE range 1.25% to 8.00%
238 -----Chart Settings-----
239 CCHART_COLOR_BACKGROUND=C'0,0,0'
240 CCHART_COLOR_FOREGROUND=C'255,255,255'
241 CCHART_COLOR_CANDLE_BEAR=C'127,0,0'
```

4) Allow/ Disallow any of 5 internal function related to order entries



32- Account Profit Button

NewLesson: AccountProfit button (01)

ALL
TIA
ARRAY

are 3 elements

ALL
Indexed
Magic
Indexed + Magic
are 4 elements

therefore $3 \times 4 = 12$



then in this button you can see 12 different values, upon your choice:
you see one button, but behind the scene, there are 12 experts.

NewLesson: AccountProfit button (02)

- 01- I want to see ALL account profits
- 02- I want to see ALL account profits for order starting with index J only
- 03- I want to see ALL account profits for order with magic number 1203 only
- 04- I want to see ALL account profits for order with magic number 1203 and starting with index J

- 05- I want to see ALL TIA account profits
- 06- I want to see TIA account profits for order starting with index J only
- 07- I want to see TIA account profits for order with magic number 1203 only
- 08- I want to see TIA account profits for order with magic number 1203 and starting with index J

- 09- I want to see ALL ARRAY account profits
- 10- I want to see ARRAY account profits for order starting with index J only
- 11- I want to see ARRAY account profits for order with magic number 1203 only
- 12- I want to see ARRAY account profits for order with magic number 1203 and starting with index J

on Sundays, EURNZD is not a TIA (TRADE IS ALLOWED) while BTCUSD is a TIA

if you want to see only the ALL profit of TIA pairs, just make things like this (regardless of magic or index)

ALL + TIA ---- and Magic is OFF or GRAY

result: the profit shown is only for TIA pairs now regardless of magic or index.
profit/losses of 28 pairs are excluded, since it is the weekend



Post #7272

ENG.yahia

thank you Macd-rsi for your interest in my request

Hello evrey boady

I will write the idea in English so that all members can understand it

1 / Developing the Smart TP system so that I can close on the profits of Index or Magic Number not the total profits of the wallet

I think that the profits should be linked to the Account Profit button as post 7256 and not to the total profit of the platform

A / When placing the profits in usd in the Smart TP system, the number remains the same when the process is repeated and it is not linked to the percentage the second time, unless the user chooses that, and this option is available now



When placing the profits in usd in the Smart TP system, the number must remains the same when the process is repeated and it is not linked to the percentage the second time, unless the user chooses that, and this option is available now

1/ Developing the Smart TP system so that I can close on the profits of Index or Magic Number not the total profits of the wallet I think that the profits should be linked to the Account Profit button as post 7256 and not to the total profit of the platform

33- Error Related to Broker

1) Oracheael Case – Error 131, 132, 133, 134, 136, 148

Updated #Post 3876

the following error codes will deactivate any related pair.

it deal correctly with wrong data provided by brokers to thier clients

```

if(risk_mode=="MB" && current_MB>user_MB)return;
if(risk_mode=="ME" && current_ME>user_ME)return;
if(FM_SET=="POS" && AccountFreeMargin(<3) return;
ticket=OrderSend(pairs[i],OP_BUY,lotx,MarketInfo(pairs[i],MODE_ASK),0,0,0,COMMENT,Magic_Number,0,C'182,0,0'
err=GetLastError();
if(err==131 || err==132 || err==133 || err==134 || err==136 || err==148)
{
Print("----Oracheal CASE-----BS LastError = "+err+" "+pairs[i]);
PAIR_SELECT[i]="NO";
YES_BS[i]="XX";
}
if(OrderSelect(ticket,SELECT_BY_TICKET))

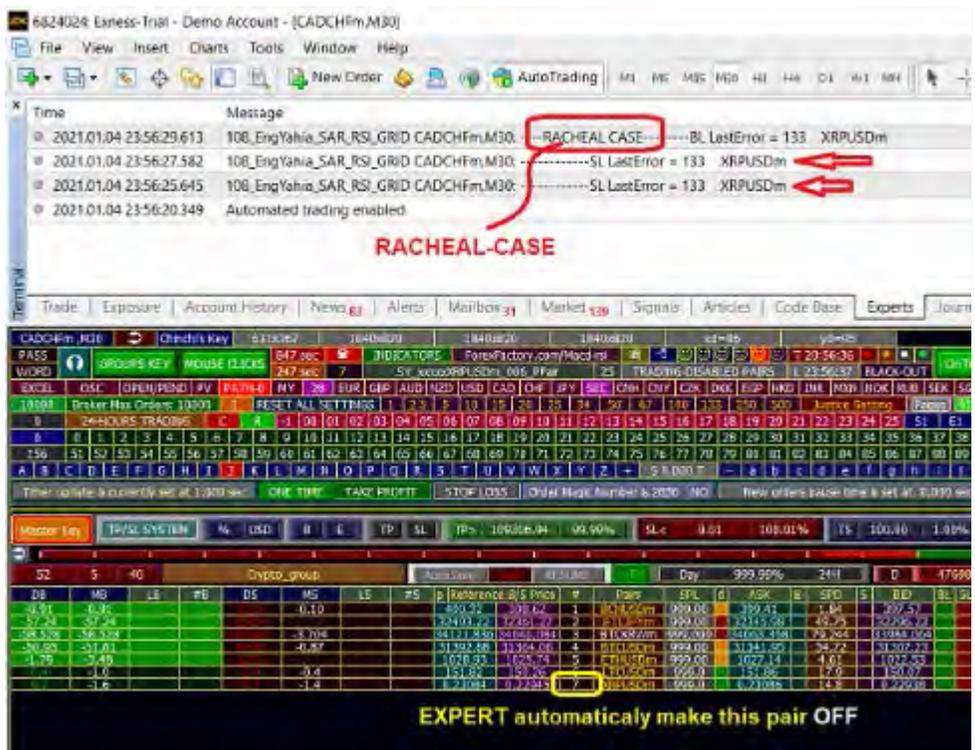
```

131--132--133--134--136--148---look at thier description in post # 3872 picture.

#Post 3827

Sacreragon: please in doc, add it as "Oracheal-case"---**name is corrected in the code.**
 racheal-case is: the contradictiob b/w broker database and broke actual run-time process
 expert when recieve racheal message, immediatly deactivate the pair.

i will check for other possible broke stupid errors, like **MIN_LOT**



thank you brother Oracheal

therefore message **will not be repeated each time**, since the pair is "**de-activated**"

Mucky: Some developer reported regarding error 133 also:

... conclude that slippage has a maximum allowed by broker and you should not exceed this limit

Macd: another error with exness is error **131**---MinimumLot
in thier stupid data base min lot is 0.01---therefore dashboard accept this value
but
in this runtime, min lot allowed is 0.10 not 0.01 !!

The screenshot displays a trading platform interface with several error messages and a list of error codes. The error messages at the top include:

- ...SL LastError = 131 BCFUSDm
- ...SL LastError = 133 XRPUSDm
- ...SL LastError = 131 LTCUSDm
- ...SL LastError = 131 ETHUSDm
- ...SL LastError = 0 BTCUSDm

The error code list shows:

129	ERR_INVALID_PRICE	Invalid price
130	ERR_INVALID_STOPS	Invalid stops
131	ERR_INVALID_TRADE_VOLUME	Invalid trade volume
132	ERR_MARKET_CLOSED	Market is closed

The interface also shows a list of open orders and a list of positions. The error messages and the error code list are highlighted with red boxes and arrows, indicating the source of the error.

Mucky: ... yes , but sometimes it depends on account type also.

some broker do allow 0,01 lot size only for standard accounts and prof. account require 0.10 lot - the professional traders are not allowed to use 0.01 lots :-)
even the symbol specification tells a different story

Macd: Also RUN-TIME error **131** is included
if exists will make pair **OFF**

So avoid continues message due to stupid data base!
i have the choice to correct volume, but this is an intervention in your setting
therefore the better solution is to de-activate the pair, then later if you like change FL, LI setting from 0.01 to 0.1.

now these messages will appear only one time

when you see word "**Oracheal**" in expert/journal, immediatly understand onething
"**CONTRADICTION**"

Time	Message
2021.01.05 00:35:52.392	'6824024': order buy 0.01 BCHUSDm opening at market sl: 0.00 tp: 0.00 failed [Invalid volume]
2021.01.05 00:35:51.610	'6824024': order buy market 0.01 BCHUSDm sl: 0.00 tp: 0.00
2021.01.05 00:35:47.908	'6824024': order buy 0.01 XRPUSDm opening at market sl: 0.00000 tp: 0.00000 failed [Trade is disabled]
2021.01.05 00:35:47.502	'6824024': order buy market 0.01 XRPUSDm sl: 0.00000 tp: 0.00000
2021.01.05 00:35:47.502	'6824024': order buy 0.01 LTCUSDm opening at market sl: 0.00 tp: 0.00 failed [Invalid volume]
2021.01.05 00:35:46.174	'6824024': order buy market 0.01 LTCUSDm sl: 0.00 tp: 0.00
2021.01.05 00:35:46.174	'6824024': order buy 0.01 ETHUSDm opening at market sl: 0.00 tp: 0.00 failed [Invalid volume]
2021.01.05 00:35:43.706	'6824024': order buy market
2021.01.05 00:35:43.612	Automated trading enabled
2021.01.05 00:31:24.674	Expert 108_EngYahia_SAR_R ADCHFm.M30: ----Oracheal CASE-----BL LastError : 131 BCHUSDm
2021.01.05 00:31:24.612	Expert 108_EngYahia_SAR_R ADCHFm.M30: ----Oracheal CASE-----BL LastError : 133 XRPUSDm
2021.01.05 00:29:26.002	Expert 108_EngYahia_SAR_R ADCHFm.M30: ----Oracheal CASE-----BL LastError : 131 LTCUSDm
2021.01.05 00:29:25.940	Expert 108_EngYahia_SAR_R ADCHFm.M30: ----Oracheal CASE-----BL LastError : 131 ETHUSDm
2021.01.05 00:28:26.178	Expert 108_EngYahia_SAR_R

Macd: You do not get my point
we do not speak about account type

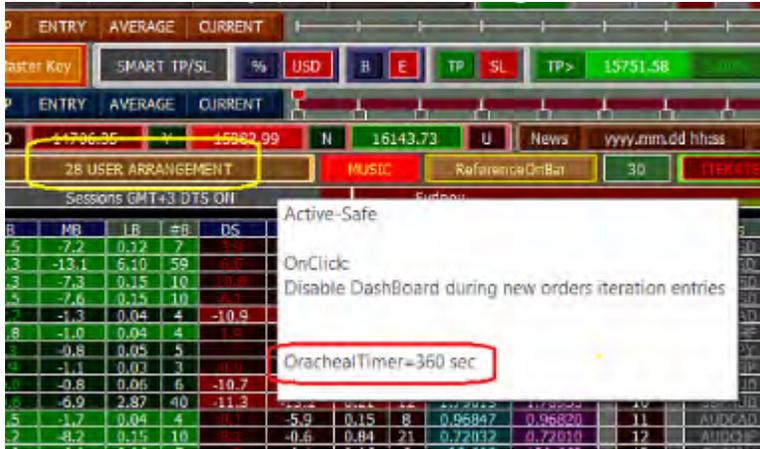
we speak about: **broker** runtime value is different from **broker**-database values. 😊

broker tell you minlot is 0.01
but when you try, order is rejected. the runtime is 0.10

whatever the account type.

a) Oracheal Timer

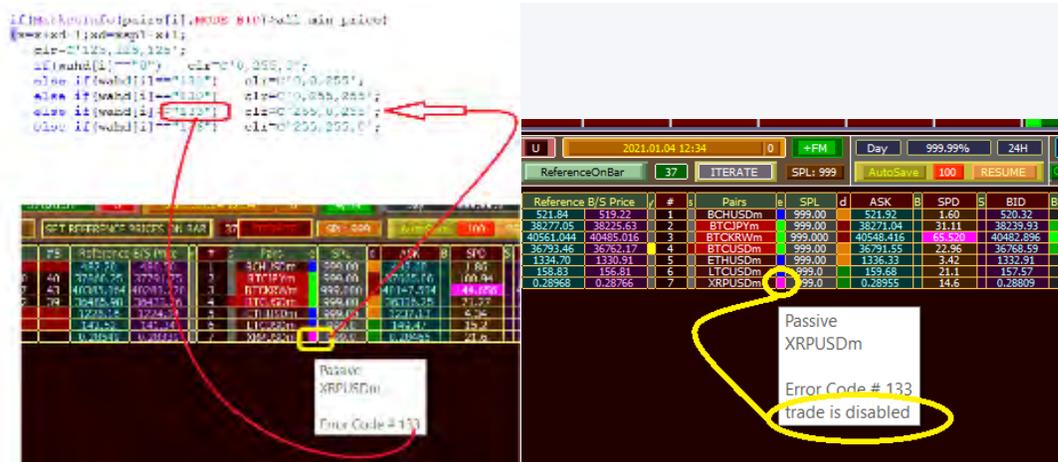
you can check for current timer inside the tooltip of Dashboard-title, since ver A37



2) Error Colum

you will read in expert/journal "TRADE is disabled" = err: 133

but this is an oracheal-case, since in data base they set it "TRADE-IS-ENABLED"
 Broker conflicts



error **description** also has been added to tooltips

3) Default Setting

if FL, LI are RED, then expert tell you: 1) your broker is a bullshit, database not correct(Oracheal-case)

2) it is error 131--invalid volume

```

10 RESET_ALL_SETTINGS IF ACCOUNT_IS_CHANGED=yes
11 SLIPPAGE_IN_POINTS=30
12 risk_mode=BF
13 USER_ORANGE_NUMBER=66.6
14 ITERATE=NO
44 ONE_FAIR_ITERATION=11
45 JUSTICE=NO
46 ICAM_CURRENCY=USD
47 ORACHEAL_ACTIVATE_TYPE_MAIN=YES
48 ----- Related to Timers -----
49 Oracheal Case Timer=120
50 Vlcmmmmmm_timer=2021.03.04 12:13
51 time_pause_between_two_orders=0.50
52 expert_timer=1
53 TIME_DIVISOR=1
54 starting_hour_1=15
55 starting_hour_2=22
56 end_hour_1=17
57 end_hour_2=18
58 close_hour=0

```

After 120 sec this order type will be re-activated

who choose 120 sec?

ans: YOU -- not me, not the expert.

4) Slippage

a little correction for button types:

I add **Passive-Fire**

passive: since no clicks-effect

Fire: related to trading

example: **slippage** button, you can not change slippage through CWC, you only set it at default_0.csv file once at your live.

5) Str button

There should be a new lesson on **strs**

since i enhanced to the greatest degree for all possibilites.

but always i recommend to attach xpert to **enabled-EURUSD** to avoid any **str** problem\ **if not, there ar another 3 solutions.**



Post #5927

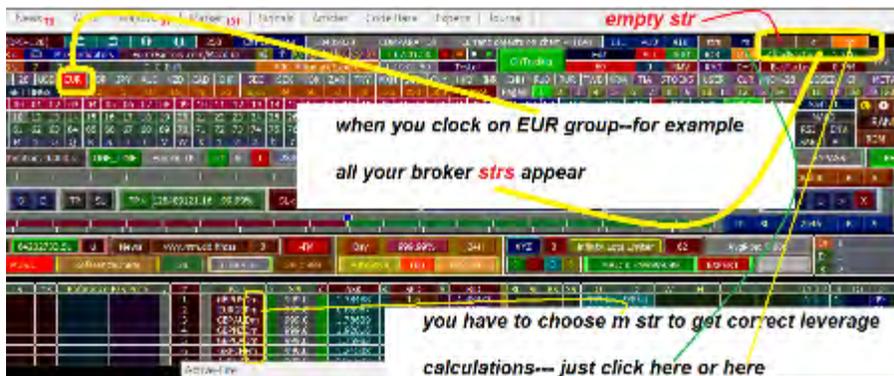
NewLesson: strs

when you click on any group, **strs** will appear in first row.

look: before click on EUR-group--no **strs**



now after click: all broker available **strs** will appear



blue **m** after button str, is user-default, you put it in the default file



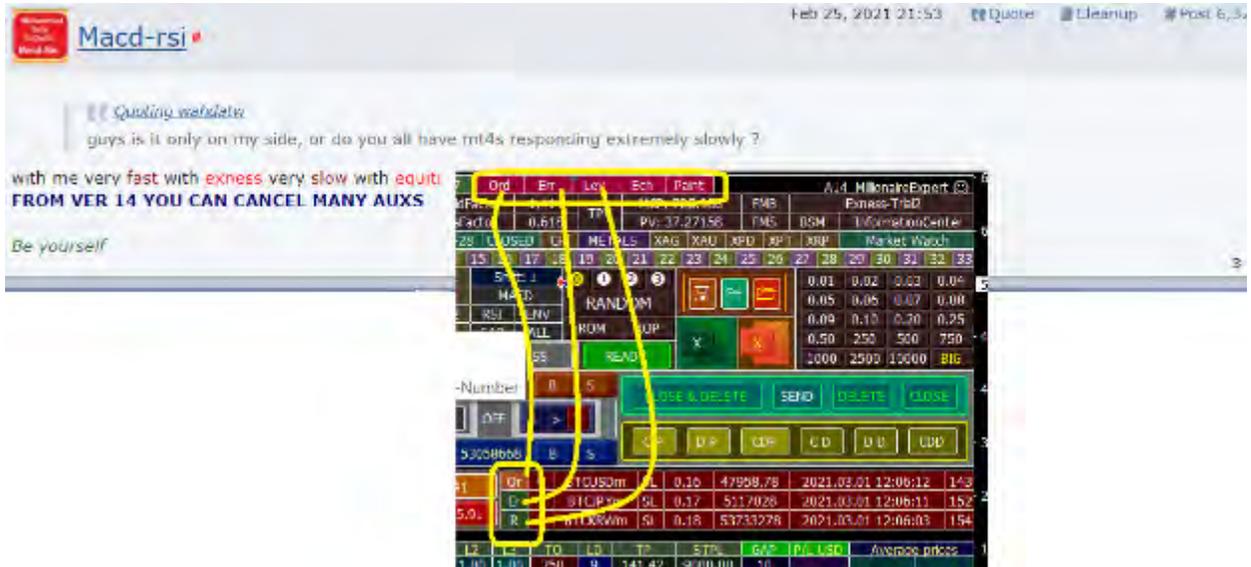
zreboo, **not me, neither expert** set **m** in default file
 he find **his broker** offer instruments with suffix **m**, like **EURUSDm**

```

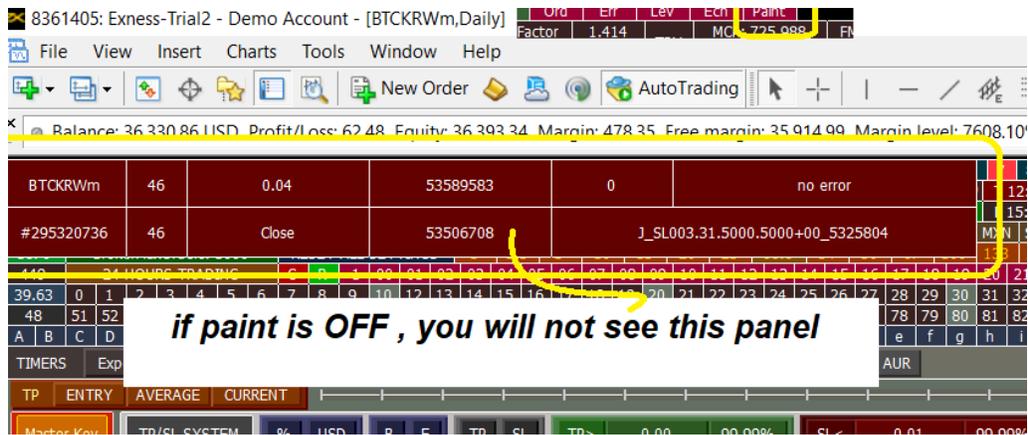
A00_MillionaireExpert.mq4  pairs_routers2.mqh  definitions_0.mqh  D
18 //DASHBOARD_CELL_HEIGHT//Range 5 to 66 pixel
19 DASHBOARD_SEPARATOR=10
19 //DASHBOARD_SEPARATOR//Range -1 to 66 pixel
19 TESTER_CELL_HEIGHT=27
20 //TESTER_CELL_HEIGHT//Range 5 to 66 pixel
21 font_style=IAROMA
22 BUTTONS Border_Color=C'255,255,255'
23 XY_SHIFT=0
24 //XY_SHIFT//Range -1,000 to 1,000 pixel
25 PIXEL_SHIFT=350
26 //PIXEL_SHIFT//Range -1,000 to 1,000 pixel
27 -----(General)-----
28 FIRST_ROW_MODE=C
29 //FIRST_ROW_MODE//Accept 3 possible values 1) A, 2) B and 3)
30 VBS=NO
31 //VBS//Accept 2 possible values 1)YES, 2) NO
32 Lock_Mouse_Clicks=NO
33 //Lock_Mouse_Clicks//Accept 2 possible values 1)YES, 2) NO
34 SYMBOL_SUFFIX=m
35 SYMBOL_SELECTION_YES
36 //Symbol_Selection//Accept 2 possible values 1)YES, 2) NO
37 Safety 410 strb m c m
38 //Safety ADD ROC D1.00 AfradFactor 1.226 % 2) NO
39 CHIMPCHI KEY=NO
40 //CHIMPCHI_KEY//Accept 2 possible values 1)YES, 2) NO
41 default dname=08
  
```

34- Cancelling some Auxiliaries

even though each one may consume less than 5 milliseconds, but you can prevent them,



also **Echo** to block sounds for order entries
 and **paint** to discard/allow order detail dashboard durings send/delete/close/modify.

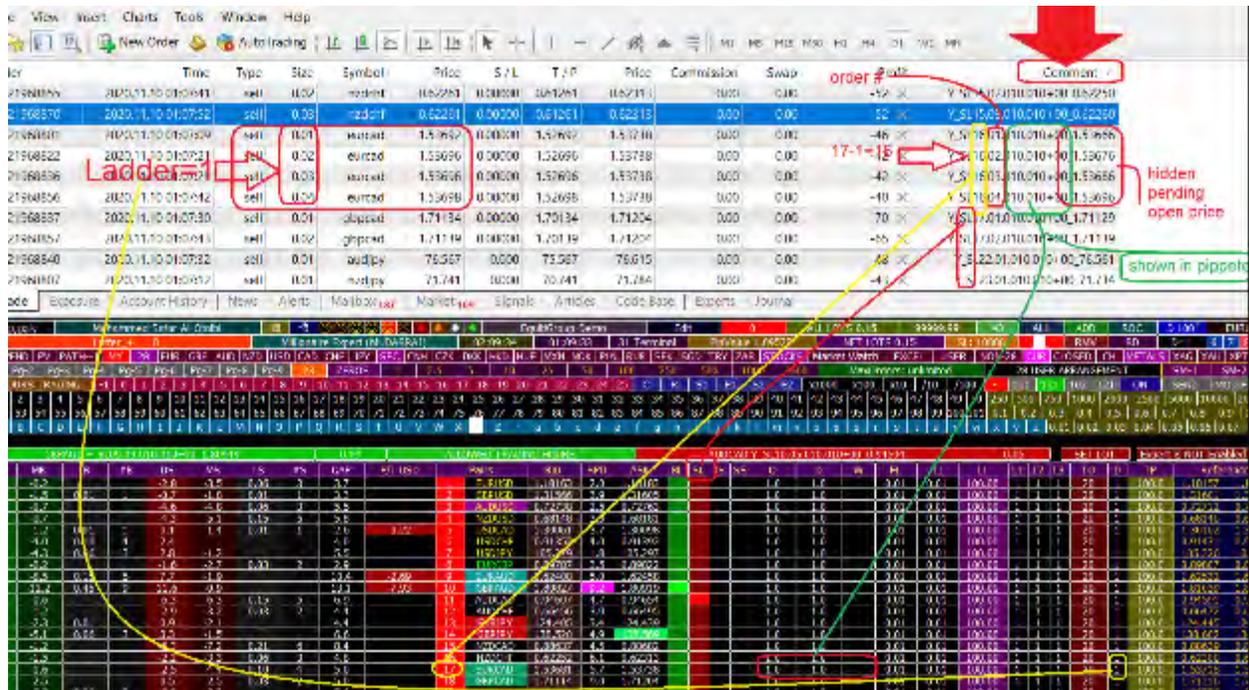


35- Order Comments

MExpert **orderComment** start with:

- 1) one letter, then underscore for "ONE-TIME" mode,---you how decide this later as explained earlier or
- 2) for REPETITION MODE: strat with prefix "NR_" or
- 3) pending Orders of SEND box, start with prefix "G_"

and no more



Example: Y_SL1601.101.010+00_1.53666

Y_	SL	16	01.	010.010	1.53666
----	----	----	-----	---------	---------

Identified chosen in blue alphabets prior to activating EA	BL/SL/BS/SS	17-1. Ref number for the pair found the table	Order# based on sequence of execution	O.D (in pipette)	Hidden pending open price (calculation based on O/D concept - will differ from actual open price)
--	-------------	---	---------------------------------------	------------------	---